



Build a smarter world

■ ■ ■ Global IoT solutions provider

Quectel antennas

→ For more information please visit Quectel.com

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Quectel antennas

Quectel is a leading global provider of IoT antenna solutions, with a team of over 100 experienced antenna R&D engineers worldwide. Our global facilities include 19 testing chambers and fully equipped laboratories, enabling us to deliver end-to-end services—from antenna design and testing to production.

With a portfolio of more than 5,000 antenna products and over 6,000 completed IoT projects, our offerings cover a wide range of applications, including cellular, short-range, GNSS, and automotive antennas. We also specialize in custom antenna design services tailored to specific client needs.

Our global R&D network includes eight advanced centers located in cities such as Belgrade, Shanghai, Hefei and Vancouver. These centers are equipped with cutting-edge laboratories that support comprehensive testing services,

including EMC and OTA testing, ensuring optimal antenna reliability.

In terms of production, we are scaling rapidly: our capacity is planned to increase from 80 million units in 2024 to 150 million units in 2025. Automation across our assembly lines reached 40% in 2024, rising to 60% in 2025. We adhere to stringent quality control standards, holding certifications such as ISO 9001 and ISO 14001, with industrial defect rates maintained at $\leq 1,000$ DPPM and automotive defect rates at ≤ 100 DPPM.

In addition, we offer comprehensive RF front-end solutions, full-spectrum RF antenna testing services, and global one-stop engineering support. All our antennas are fully compatible with Quectel modules, allowing customers to source a complete hardware solution from a single, trusted supplier.



R&D - Quectel



Belgrade



Penang



Vancouver



Manufacturing – Quectel and partners



Changzhou



Linyi



Delhi



Penang

Quectel antenna services



Consulting & evaluation

- Feasibility & architecture study
- Risk identification
- Initial proof of concept
- Antenna type selection



Design

- Antenna placement
- Layout design
- RF specification design
- Multi-antenna design & optimization
- Gerber file review



Testing & certification

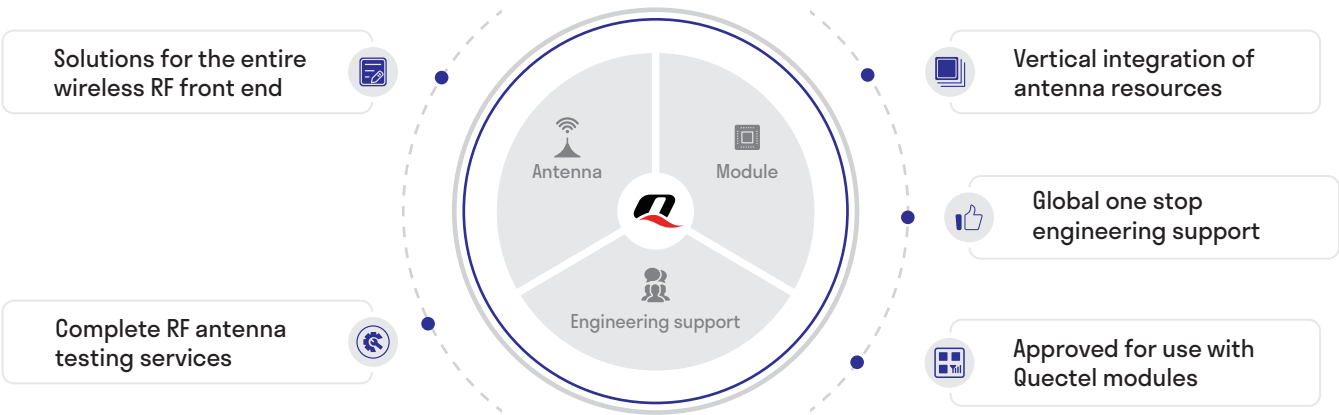
- Antenna OTA testing
- Interference mitigation
- Pre-OTA testing for CE/ FCC/ PTCRB



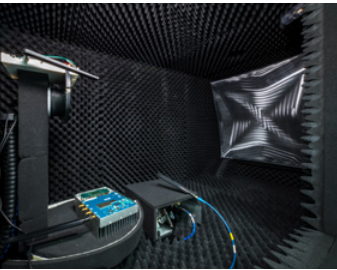
Manufacturing

- Antenna samples
- Tooling & molding
- Assembly and production test
- Delivery

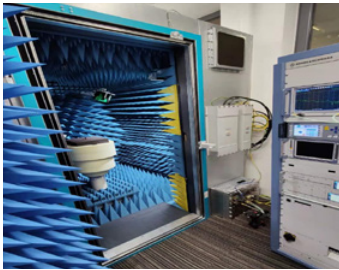
Quectel advantages



Instruments



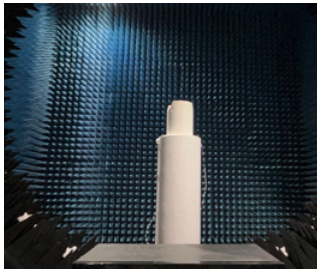
5G mmWave chamber



Rhode & Schwarz WPTC-XS



RayZone2800



ETS-AMS-8923-195

EXTERNAL

5G antennas



YECN009AA



YECN028AA



YECA001L1AH



YECN001J1A



YECT001W1AM



YECA000G1AM



YFCX001WWAH



YECT010W7AM





YECT005G3AM

5G terminal mount rubber dipole external antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	600–6000 MHz
Efficiency	AVG. 45%
Peak gain	4.6dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	15.6 × 13 × 130mm
Form factor	Rubber
Mounting type	Terminal
Connector type	IPEX MHF1
Cable type	RF1.13
Cable length	200mm
Operation temperature	–40°C to +85°C



YECT001W1AM

5G terminal mount rubber monopole external antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	698–960 MHz, 1710–2690 MHz, 3300–6000 MHz
Efficiency	30%–75%
Peak gain	2.9 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	52.6 × 18.6 × 9 mm
Form factor	Rubber
Mounting type	Terminal
Connector type	Right angle SMA male
IP rating	IP53
Operation temperature	–40°C to +85°C



YECT001W1BM

5G terminal mount rubber monopole external antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	698–960 MHz, 1710–2690 MHz, 3300–6000 MHz
Efficiency	35%–80%
Peak gain	4.1 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	Ø9 × 54.9 mm
Form factor	Rubber
Mounting type	Terminal
Connector type	SMA male
IP rating	IP53
Operation temperature	–40°C to +85°C



YECT010W1AM

5G terminal mount rubber monopole external antenna

Compliant

RoHS

Electrical data

Frequency range
Efficiency
Peak gain
Radiation pattern
Polarization

700–960 MHz, 1710–2690 MHz, 3300–6000 MHz
AVG. 50%
3.0dBi
omni-directional
Linear

Mechanical data

Dimensions
Form factor
Mounting type
Connector type
IP rating
Operation temperature

Ø 10.22 × 69.5mm
Rubber
Terminal
SMA male
IP53
–40°C to +85°C



YECT004W1A

5G terminal mount rubber dipole external antenna

Compliant

RoHS & REACH

Electrical data

Frequency range
Efficiency
Peak gain
Radiation pattern
Polarization

600–6000 MHz
20%–70%
5.6 dBi
omni-directional
Linear

Mechanical data

Dimensions
Form factor
Mounting type
Connector type
IP rating
Operation temperature

135 × 15.6 × 13 mm
Rubber
Terminal
SMA male
IP67
–40°C to +85°C



YECT004W5AM

5G terminal mount rubber dipole external antenna

Compliant

RoHS & REACH

Electrical data

Frequency range
Efficiency
Peak gain
Radiation pattern
Polarization

600–6000 MHz
20%–70%
5.7 dBi
omni-directional
Linear

Mechanical data

Dimensions
Form factor
Mounting type
Connector type
IP rating
Operation temperature

140 × 15.6 × 13 mm
Rubber
Terminal
Fakra female Code Z
IP67
–40°C to +85°C



YECT104WAAM

5G terminal mount rubber dipole external antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	600–6000 MHz
Efficiency	20%–68%
Peak gain	5.6 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	Ø20 × 145 mm
Form factor	Rubber
Mounting type	Terminal
Connector type	N type male
IP rating	IP67
Operation temperature	–40°C to +85°C



YECT005W1A

5G terminal mount rubber dipole external antenna

Compliant

RoHS

Electrical data

Frequency range	600–6000 MHz
Efficiency	52% AVG.
Peak gain	3.9 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	135 × 15.6 × 13 mm
Form factor	Rubber
Mounting type	Terminal
Connector type	SMA male
Operation temperature	–40°C to +85°C



YECT005WFA

5G terminal mount rubber dipole external antenna

Compliant

RoHS

Electrical data

Frequency range	600–6000 MHz
Efficiency	50% AVG.
Peak gain	4.6 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	135 × 15.6 × 13mm
Form factor	Rubber
Mounting type	Terminal
Connector type	RP SMA male
Operation temperature	–40°C to +85°C



YECT005W1W

5G terminal mount rubber dipole external antenna

Compliant

RoHS

Electrical data

Frequency range	600-6000 MHz
Efficiency	55% AVG.
Peak gain	4.6 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	135 × 15.6 × 13 mm
Form factor	Rubber
Mounting type	Terminal
Connector type	SMA male
Operation temperature	-40°C to +85°C



YECT005W1AM

5G terminal mount rubber dipole external antenna

Compliant

RoHS

Electrical data

Frequency range	600-6000 MHz
Efficiency	50% AVG.
Peak gain	2.4 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	Ø13 × 196.2 mm
Form factor	Rubber
Mounting type	Terminal
Connector type	SMA male
Operation temperature	-20°C to +70°C



YECN009AA

5G terminal mount rubber dipole external antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	600-6000 MHz
Efficiency	30%-80%
Peak gain	3.4 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	200 × 21 × 8 mm
Form factor	Rubber
Mounting type	Terminal
Connector type	SMA male
Operation temperature	-40°C to +85°C



YECN028AA

5G terminal mount rubber dipole external antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	410–470 MHz, 617–960 MHz, 1427–6000 MHz
Efficiency	25%–80%
Peak gain	5.8 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	225 × 54.5 × 13 mm
Form factor	Rubber
Mounting type	Terminal
Connector type	SMA male
IP rating	IP66
Operation temperature	–40°C to +85°C



YECT028W1A

5G terminal mount rubber dipole external antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	600–960 MHz, 1710–2690 MHz, 3300–6000 MHz
Efficiency	45%–85%
Peak gain	5.5 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	225 × 54.5 × 13 mm
Form factor	Rubber
Mounting type	Terminal
Connector type	SMA male
IP rating	IP66
Operation temperature	–40°C to +80°C



YECT102WAAH

5G terminal mount rubber dipole external antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	600–960 MHz, 1710–2690 MHz, 3300–6000 MHz
Efficiency	45%–85%
Peak gain	5.5 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	231 × 54.5 × 14.5 mm
Form factor	Rubber
Mounting type	Terminal
Connector type	TNC male
IP rating	IP66
Operation temperature	–40°C to +85°C



YECT103W7AH

5G terminal mount rubber dipole external antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	600–960 MHz, 1710–2690 MHz, 3300–6000 MHz
Efficiency	45%–85%
Peak gain	5.5 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	233 × 54.5 × 20 mm
Form factor	Rubber
Mounting type	Terminal
Connector type	N type male
IP rating	IP66
Operation temperature	–40°C to +85°C



YECT002W1A

5G terminal mount rubber dipole external antenna
Compatible with Japan market

Compliant

RoHS & REACH

Electrical data

Frequency range	600–5000 MHz
Efficiency	55% AVG.
Peak gain	2.8 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	209 × 42 × 6 mm
Form factor	Rubber
Mounting type	Terminal
Connector type	SMA male
Operation temperature	–20°C to +60°C



YFCX001WWAH

5G adhesive mount transparent film + cable dipole external antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	700–960 MHz, 1450–2690 MHz, 3300–6000 MHz
Efficiency	30%–70%
Peak gain	6 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	118.2 × 42.7 mm
Form factor	Transparent film + cable
Mounting type	Adhesive
Connector type	SMA male
Cable type	RG174
Cable length	108 mm
Operation temperature	–40°C to +85°C



YECT000WBA

5G screw mount stubby monopole external antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	600–960 MHz, 1400–2690 MHz, 3300–6000 MHz
Efficiency	20%–90%
Peak gain	8.3 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	Ø40.6 × 104 mm
Form factor	Stubby
Mounting type	Screw
Connector type	N type female
IP rating	IP67 & IP69K
IK rating	IK10
Operation temperature	–40°C to +85°C



YECT101W7AH

5G terminal mount stubby monopole external antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	600–960 MHz, 1400–2690 MHz, 3300–6000 MHz
Efficiency	20%–90%
Peak gain	8.3 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	Ø40.6 × 78 mm
Form factor	Stubby
Mounting type	Terminal
Connector type	N type male
IP rating	IP67 & IP69K
IK rating	IK10
Operation temperature	–40°C to +85°C



YECN001J1A

5G screw mount stubby monopole external antenna

Compatible with ECE-R118 cables under demand

Compliant

RoHS & REACH

Electrical data

Frequency range	600–960 MHz, 1400–2690 MHz, 3300–6000 MHz
Efficiency	30%–90%
Peak gain	8.3 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	Ø40.6 × 104 mm
Form factor	Stubby
Mounting type	Screw
Connector type	SMA male
Cable type	ALSR200
Cable length	300 mm
IP rating	IP67 & IP69K
IK rating	IK10
Operation temperature	–40°C to +85°C



YECA000G1AM

5G adhesive mount low profile dipole external antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	698–960 MHz, 1710–2690 MHz, 3300–6000 MHz
Efficiency	35%–80%
Peak gain	4.2 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	116.5 × 21.7 × 5.6 mm
Form factor	Low profile
Mounting type	Adhesive
Connector type	SMA male
Cable type	RG174
Cable length	215 mm
Operation temperature	–40°C to +85°C



YECM001L1AH

5G magnetic mount whip monopole external antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	600–6000 MHz
Efficiency	30%–65%
Peak gain	6.5 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	Ø30 × 82.2 mm
Form factor	Whip
Mounting type	Magnetic
Connector type	SMA male
Cable type	RG174LL
Cable length	1000 mm
IP rating	IP67
Operation temperature	–40°C to +85°C



YECA001L1AH

5G adhesive mount whip monopole external antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	600–6000 MHz
Efficiency	30%–65%
Peak gain	6.5 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	Ø30 × 83.2mm
Form factor	Whip
Mounting type	Adhesive
Connector type	SMA male
Cable type	RG174LL
Cable length	1000 mm
IP rating	IP67
Operation temperature	–40°C to +85°C



YECTO10W7AM

5G terminal mount fiberglass dipole
external antenna

Compliant

RoHS & REACH

Electrical data

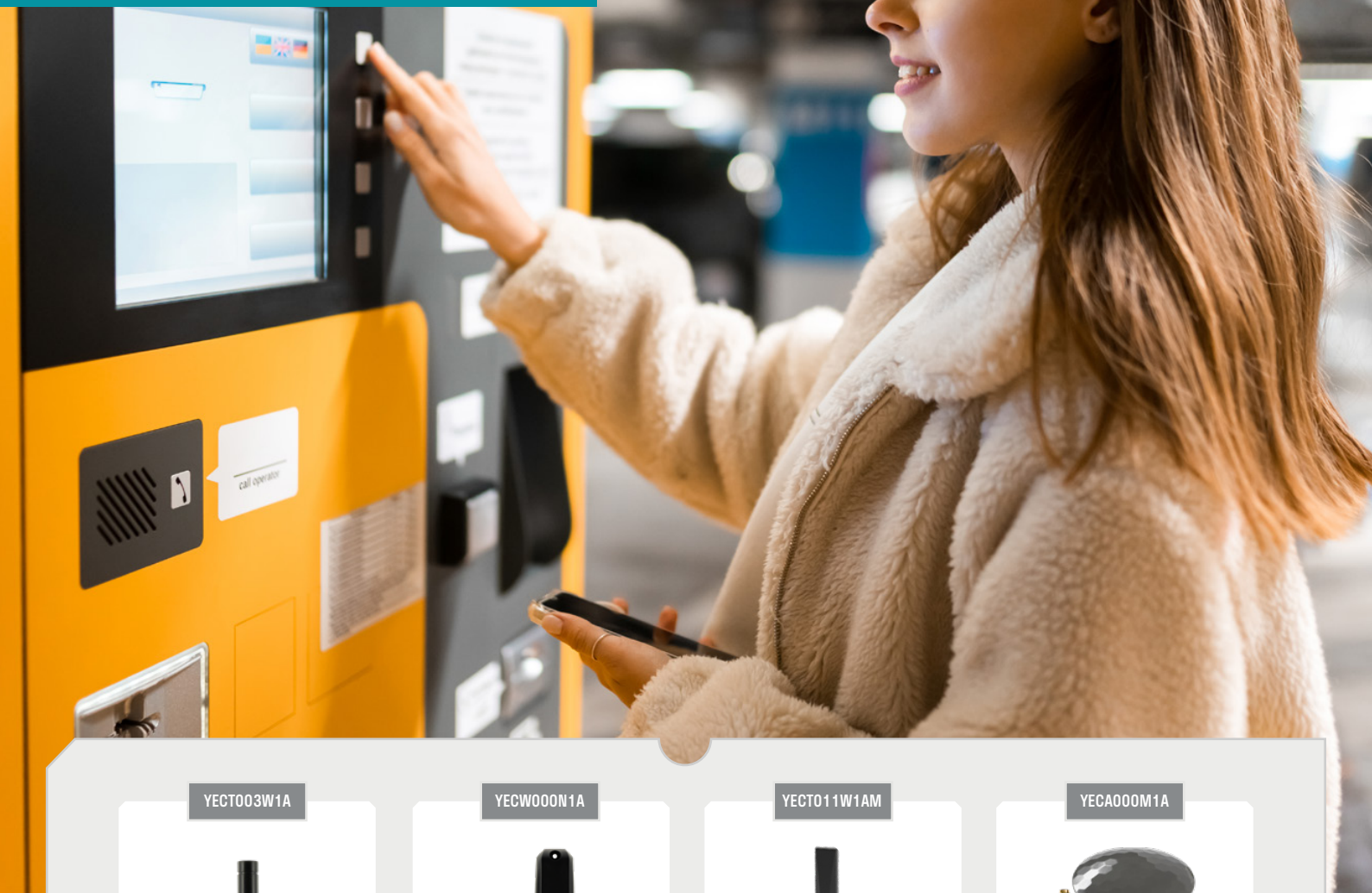
Frequency range	600-960 MHz, 1400-2700 MHz, 3300-5000 MHz
Efficiency	45%-85%
Peak gain	7.3 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	Ø25.5 × 300 mm
Form factor	Fiberglass
Mounting type	Terminal
Connector type	N type male
IP rating	IP67
Operation temperature	-40°C to +85°C

EXTERNAL

4G antennas



YECT003W1A



YECW000N1A



YECT011W1AM



YECA000M1A



YECM002L1AH



YE0006AA



YECT001W1CM



YECT009W1AM





YECT012G3AM

4G terminal mount rubber dipole external antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	700-960 MHz, 1710-2690 MHz
Efficiency	AVG. 45%
Peak gain	4.6dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	15.6 × 13 × 130mm
Form factor	Rubber
Mounting type	Terminal
Connector type	IPEX MHF1
Cable type	RF1.13
Cable length	200mm
Operation temperature	-40°C to +85°C



YECT001W1DM

4G terminal mount rubber monopole external antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	698-960 MHz, 1710-2690 MHz
Efficiency	35%-75%
Peak gain	2.6 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	Ø9 × 54.9 mm
Form factor	Rubber
Mounting type	Terminal
Connector type	SMA male
IP rating	IP53
Operation temperature	-40°C to +85°C



YECT001W1CM

4G terminal mount rubber monopole external antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	698-960 MHz, 1710-2690 MHz
Efficiency	30%-70%
Peak gain	3.7 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	52.6 × 18.6 × 9 mm
Form factor	Rubber
Mounting type	Terminal
Connector type	Right angle SMA male
IP rating	IP53
Operation temperature	-40°C to +85°C



YECT001W1WM

4G terminal mount rubber monopole external antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	698–960 MHz, 1710–2690 MHz
Efficiency	50% AVG.
Peak gain	3.7 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	52.6 × 18.6 × 9 mm
Form factor	Rubber
Mounting type	Terminal
Connector type	SMA male
IP rating	IP54
Operation temperature	–40°C to +85°C



YECT003W1A

4G terminal mount rubber monopole external antenna
Compatible with Japan market

Compliant

RoHS & REACH

Electrical data

Frequency range	698–960 MHz; 1450–2690 MHz; 3300–3800 MHz
Efficiency	25%–80%
Peak gain	3.7 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	Ø12.4 × 50.8 mm
Form factor	Rubber
Mounting type	Terminal
Connector type	SMA male
IP rating	IP67
Operation temperature	–40°C to +85°C



YECT011W1AM

4G terminal mount rubber dipole external antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	698–960 MHz, 1710–2690 MHz
Efficiency	20%–70%
Peak gain	4.7 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	135 × 15.6 × 13 mm
Form factor	Rubber
Mounting type	Terminal
Connector Type	SMA male
IP Rating	IP67
Operation temperature	–40°C to +85°C



YECT012W1AM

4G terminal mount rubber dipole external antenna

Compliant

RoHS

Electrical data

Frequency range	698–960 MHz, 1710–2690 MHz
Efficiency	52% AVG.
Peak gain	3.6 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	135 × 15.6 × 13 mm
Form factor	Rubber
Mounting type	Terminal
Connector type	SMA Male
Operation temperature	–40°C to +85°C



YECT009W1AM

4G terminal mount rubber monopole external antenna
Compatible with Japan market

Compliant

RoHS

Electrical data

Frequency range	600–960 MHz, 1710–2690 MHz
Efficiency	20%–65%
Peak gain	2.6 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	Ø10.22 × 69.5 mm
Form factor	Rubber
Mounting type	Terminal
Connector type	SMA male
Operation temperature	–40°C to +85°C



YE0013CA

4G terminal mount rubber monopole external antenna
Compatible with Japan market

Compliant

RoHS

Electrical data

Frequency range	698–2700 MHz
Efficiency	45%–95%
Peak gain	4.9 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	Ø10.2 × 115.4 mm
Form factor	Rubber
Mounting type	Terminal
Connector type	SMA male
IP rating	IP66
Operation temperature	–40°C to +85°C



YCN001AA

4G terminal mount rubber monopole external antenna
Compatible with Japan market

Compliant
RoHS

Electrical data

Frequency range	698–960 MHz, 1560–1610 MHz, 1710–2700 MHz
Efficiency	48% AVG.
Peak gain	0 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	Φ13 × 144 mm
Form factor	Rubber
Mounting type	Terminal
Connector type	SMA male
IP rating	IP66
Operation temperature	–40°C to +85°C



YECT007AA

4G pole mount fiberglass dipole external antenna

Compliant
RoHS & REACH

Electrical data

Frequency range	698–2690 MHz
Efficiency	40%–95%
Peak gain	1.9 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	Φ20 × 300 mm
Form factor	Fiberglass
Mounting type	Pole
Connector type	N type male
IP rating	IP65
Operation temperature	–40°C to +85°C



YE0010AA

4G adhesive mount low profile dipole external antenna
Compatible with Japan market

Compliant
RoHS

Electrical data

Frequency range	698–2700 MHz
Efficiency	30%–80%
Peak gain	2.7 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	152 × 18 × 11.1 mm
Form factor	Low profile
Mounting type	Adhesive
Connector type	SMA male
Cable type	RG174
Cable length	1000 mm
IP rating	IP66
Operation temperature	–40°C to +85°C



YECA000M1A

4G adhesive mount low profile monopole external antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	698-960 MHz 1710-2690 MHz
Efficiency	36% AVG.
Peak gain	2.9 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	Ø99.98 × 17.46 mm
Form factor	Low profile
Mounting type	Adhesive
Connector type	SMA male
Cable type	ALSR100
Cable length	1460 mm
IP rating	IP68
IK rating	IK10
Operation temperature	-40°C to +85°C



YECA000J1AM

4G adhesive mount low profile monopole external antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	698-960 MHz, 1710-2690 MHz
Efficiency	35%-80%
Peak gain	4.7 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	60 × 16 × 6.3 mm
Form factor	Low profile
Mounting type	Adhesive
Connector type	SMA male
Cable type	RG174
Cable length	213 mm
Operation temperature	-40°C to +85°C



YECW000N1A

4G screw mount low profile PIFA external antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	450-470 MHz, 698-960 MHz, 1710-2690 MHz
Efficiency	20%-60%
Peak gain	3.6 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	150 × 50 × 36.5 mm
Form factor	Low profile
Mounting type	Screw
Connector type	SMA male
Cable type	ALSR100
Cable length	2000 mm
Operation temperature	-40°C to +85°C



YECW058L1BM

4G screw mount low profile dipole external antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	790-960 MHz, 1710-2690 MHz
Efficiency	50% AVG.
Peak gain	7.1 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	223.18 × 74.09 × 76.50 mm
Form factor	Low profile
Mounting type	Screw
Connector type	SMA male
Cable type	RG174
Cable length	1500 mm
Operation temperature	-40°C to +85°C



YECW058L1CM

4G screw mount low profile dipole external antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	450-470 MHz, 790-960 MHz, 1710-2690 MHz
Efficiency	50% AVG.
Peak gain	7.1 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	223.18 × 74.09 × 76.50 mm
Form factor	Low profile
Mounting type	Screw
Connector type	SMA male
Cable type	RG174
Cable length	1500 mm
Operation temperature	-40°C to +85°C



YECM002L1AH

4G magnetic mount whip monopole external antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	698-960 MHz, 1710-2690 MHz
Efficiency	37% - 65%
Peak gain	4.4 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	Ø30 × 82.2 mm
Form factor	Whip
Mounting type	Magnetic
Connector type	SMA male
Cable type	RG174LL
Cable length	1000 mm
IP rating	IP67
Operation temperature	-40°C to +85°C



YECA002L1AH

4G adhesive mount whip monopole external antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	698– 960 MHz, 1710 – 2690 MHz
Efficiency	37% – 65%
Peak gain	4.4 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	Ø30 × 83.2 mm
Form factor	Whip
Mounting type	Adhesive
Connector type	SMA male
Cable type	RG174LL
Cable length	1000 mm
IP rating	IP67
Operation temperature	–40°C to +85°C



YEMN105J1AM

4G screw mount low profile monopole external antenna

Compliant

RoHS

Electrical data

Frequency range	698–960 MHz, 1710–2690 MHz
Efficiency	50% AVG.
Peak gain	5.0 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	Ø 46 × 16 mm
Form factor	Low profile
Mounting type	Screw
Connector type	SMA male
Cable type	RG174
Cable length	300 mm
IP rating	IP67
Operation temperature	–40°C to +85°C



YEMN117L1B

4G screw mount low profile monopole external antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	410–470 MHz, 698–2690 MHz
Efficiency	30%–70%
Peak gain	4.9 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	Ø108 × 45 mm
Form factor	Low profile
Mounting type	Screw
Connector type	SMA male
Cable type	RG174
Cable length	1000 mm
IP rating	IP67 & IP69K
IK rating	IK09
Operation temperature	–40°C to +85°C



YECN001L1A

4G screw mount stubby IFA external antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	450-470 MHz, 698-960 MHz, 1710-2690 MHz
Efficiency	22%-64%
Peak gain	2.7 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	Ø40.6 × 104 mm
Form factor	Stubby
Mounting type	Screw
Connector type	SMA male
Cable type	RG174
Cable length	1000 mm
IP rating	IP67 & IP69K
IK rating	IK10
Operation temperature	-40°C to +85°C



YE0006AA

4G magnetic mount whip monopole external antenna
Compatible with Japan market

Compliant

RoHS

Electrical data

Frequency range	698-960 MHz, 1710-2690 MHz
Efficiency	25%-60%
Peak gain	4.5 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	Ø30 × 318 mm
Form factor	Whip
Mounting type	Magnetic
Connector type	SMA male
Cable type	RG174
Cable length	1500 mm
IP rating	IP65
Operation temperature	-40°C to +85°C



YECM000M5AH

4G adhesive & magnetic & screw mount low profile dipole external antenna

Compliant

RoHS & REACH&POPS

Frequency range

Frequency range	450-470 MHz, 698-960 MHz, 1710-2690 MHz
Efficiency	38%-65%
Peak gain	4.4dBi
Radiation pattern	omni-directional
Polarization	Linear
Polarization	Linear

Mechanical data

Dimensions	109.28 × 89 × 25.8mm
Form factor	Low profile
Mounting type	Adhesive & Magnetic & Screw
Connector type	Right angle Fakra female code D
Cable type	ALSR100
Cable length	1520mm
IP rating	IP68
Operation temperature	-40°C to +85°C

EXTERNAL

Wi-Fi antennas



YEBT001W1AM



YEBA000J1AM



YEBA001L1AH



YEBT001WFAM



YEBT001WFBM



YEBT010W1AM





YEBT001WFBM

Wi-Fi terminal mount rubber monopole external antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	2400–2500 MHz, 5150–5850 MHz, 5925–7125 MHz
Efficiency	35%–70%
Peak gain	4.3 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	Ø9 × 54.9 mm
Form factor	Rubber
Mounting type	Terminal
Connector type	RP SMA male
IP rating	IP54
Operation temperature	–40°C to +85°C



YEBT001WFXM

Wi-Fi terminal mount rubber monopole external antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	2400–2500 MHz, 5150–5850 MHz, 5925–7125 MHz
Efficiency	60% AVG.
Peak gain	4.3 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	Ø9 × 54.9 mm
Form factor	Rubber
Mounting type	Terminal
Connector type	RP SMA male
IP rating	IP54
Operation temperature	–40°C to +85°C



YEBT062W1AM

Wi-Fi terminal mount rubber monopole external antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	2400–2500 MHz, 5150–5850 MHz, 5850–5925 MHz, 5925–7125 MHz
Efficiency	50% AVG.
Peak gain	4.1 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	52.6 × 18.6 × 9 mm
Form factor	Rubber
Mounting type	Terminal
Connector type	SMA male
IP rating	IP54
Operation temperature	–40°C to +85°C



YEBT001WFAM

Wi-Fi terminal mount rubber monopole external antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	2400–2500 MHz, 5150–5850 MHz, 5925–7125 MHz
Efficiency	30%–65%
Peak gain	2.2 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	52.6 × 18.6 × 9mm
Form factor	Rubber
Mounting type	Terminal
Connector type	Right angle RP SMA male
IP rating	IP54
Operation temperature	–40°C to +85°C



YEBT001WFWM

Wi-Fi terminal mount rubber monopole external antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	2400–2500 MHz, 5150–5850 MHz, 5925–7125 MHz
Efficiency	50% AVG.
Peak gain	2.2 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	52.6 × 18.6 × 9mm
Form factor	Rubber
Mounting type	Terminal
Connector type	RP SMA male
IP rating	IP54
Operation temperature	–40°C to +85°C



YEBT010W1AM

Wi-Fi terminal mount rubber monopole external antenna

Compliant

RoHS

Electrical data

Frequency range	2400–2500 MHz, 5150–5850 MHz, 5925–7125 MHz
Efficiency	38%–65%
Peak gain	4.2 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	Ø10.22 × 69.5 mm
Form factor	Rubber
Mounting type	Terminal
Connector type	RP SMA male
Operation temperature	–40°C to +85°C



YEBT001W1AM

Wi-Fi terminal mount rubber monopole external antenna

Compliant

RoHS & REACH

Electrical data

Frequency range
Efficiency
Peak gain
Radiation pattern
Polarization

2400–2500MHz, 5150–5850MHz, 5925–7125 MHz
45%–70%
4.1 dBi
omni-directional
Linear

Mechanical data

Dimensions
Form factor
Mounting type
Connector type
IP rating
Operation temperature

135 × 15.6 × 13 mm
Rubber
Terminal
RP SMA male
IP67
–40°C to +85°C



YEBT002W1AM

Wi-Fi terminal mount rubber monopole external antenna

Compliant

RoHS

Electrical data

Frequency range
Efficiency
Peak gain
Radiation pattern
Polarization

2400–2500MHz, 5150–5850MHz, 5925–7125 MHz
45%–75%
4.1 dBi
omni-directional
Linear

Mechanical data

Dimensions
Form factor
Mounting type
Connector type
Operation temperature

135 × 15.6 × 13 mm
Rubber
Terminal
RP SMA male
–40°C to +85°C



YEBT064W1AM

Wi-Fi terminal mount rubber dipole external antenna

Compliant

RoHS & REACH

Electrical data

Frequency range
Efficiency
Peak gain
Radiation pattern
Polarization

2400–2500 MHz, 5150–5850 MHz, 5925–7125 MHz
50% AVG.
4.1 dBi
omni-directional
Linear

Mechanical data

Dimensions
Form factor
Mounting type
Connector type
IP rating
Operation temperature

135 × 15.6 × 13 mm
Rubber
Terminal
SMA male
IP67
–40°C to +85°C



YEBA000J1AM

Wi-Fi adhesive mount low profile dipole external antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	2400–2500MHz, 5150–5850MHz, 5925–7125 MHz
Efficiency	45%–65%
Peak gain	2.1 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	60 × 16 × 6.3 mm
Form factor	Low profile
Mounting type	Adhesive
Connector type	SMA male
Cable type	RG174
Cable length	209 mm
Operation temperature	–40°C to +85°C



YEBT002E3AM

WIFI terminal mount rubber monopole external antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	2400–2500 MHz, 5150–5850 MHz, 5925–7125 MHz
Efficiency	37%–64%
Peak gain	2.8dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	15.6 × 13 × 130mm
Form factor	Rubber
Mounting type	Terminal
Connector type	IPEX MHF1
Cable type	RF1.13
Cable length	100mm
Operation temperature	–40°C to +85°C



YEBA001L1AH

Wi-Fi adhesive mount whip monopole external antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	2400–2500 MHz, 5150–5850 MHz, 5925–7125 MHz
Efficiency	30%–65%
Peak gain	4.7 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	Ø30 × 83.2 mm
Form factor	Whip
Mounting type	Adhesive
Connector type	SMA male
Cable type	RG174LL
Cable length	1000 mm
IP rating	IP67
Operation temperature	–40°C to +85°C



YEBM001L1AH

Wi-Fi magnetic mount whip monopole external antenna

Compliant

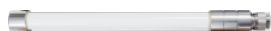
RoHS & REACH

Electrical data

Frequency range	2400–2500 MHz, 5150–5850 MHz, 5925–7125 MHz
Efficiency	30%–65%
Peak gain	4.7 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	Ø30 × 82.2 mm
Form factor	Whip
Mounting type	Magnetic
Connector type	SMA male
Cable type	RG174LL
Cable length	1000 mm
IP rating	IP67
Operation temperature	–40°C to +85°C



YEBT002W7AM

WiFi terminal mount fiberglass dipole external antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	2400–2500MHz
Efficiency	0.73
Peak gain	4.3dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	Ø 25.5 × 300mm
Form factor	Fiberglass
Mounting type	Terminal
Connector type	N type male
IP rating	IP67
Operation temperature	–40°C to +85°C



YEVT001W7AM

V2X/DSRC terminal mount fiberglass array external antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	5850–5925MHz
Efficiency	59.5%–65.1%
Peak gain	7.1dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	Ø 25.5 × 600mm
Form factor	Fiberglass
Mounting type	Terminal
Connector type	N type male
IP rating	IP67
Operation temperature	–40°C to +85°C

EXTERNAL

Combo antennas

YEMA206J1AM



YEMD301L1A



YEMN210J1AH



YEMN926J1A



YEMN016AA



YEMA013AA



YEMA300QXA



YEMX425J1A





YEMN205J1AM

WiFi 2in1 screw mount combo external antenna

Compliant

RoHS

Electrical data

Frequency range	2400–2500 MHz; 5150–5850 MHz
Efficiency	AVG. 55%
Peak gain	4.7dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	Ø46 × 16 mm
Form factor	Low profile
Mounting type	Screw
Connector type	SMA male
Cable type	RG174
Cable length	300mm
IP rating	IP66
Operation temperature	–40°C to +85°C



YEMA206J1AM

4G & GNSS L1 2in1 adhesive mount combo external antenna

Compliant

RoHS

Electrical data

Frequency range	4G × 1: 698–960 MHz; 1710–2690 MHz GNSS L1 × 1: 1559–1606 MHz
Efficiency	4G × 1: 65% AVG. GNSS L1 × 1: 60% AVG.
Peak gain	4G × 1: 7.0 dBi GNSS L1 × 1: 4.4 dBi
Radiation pattern	4G × 1: omni-directional GNSS L1 × 1: Directional
Polarization	4G × 1: Linear GNSS L1 × 1: RHCP
LNA gain	16 ± 3 dB

Mechanical data

Dimensions	Ø82 × 18.2 mm
Form factor	Low profile
Mounting type	Adhesive
Connector type	SMA male
Cable type	ALS302 & RG174
Cable length	300 mm & 300 mm
IP rating	IP67
Operation temperature	–40°C to +85°C



YEMA004AA

4G & Wi-Fi 2in1 screw mount Combo external antenna

Compliant

RoHS

Electrical data

Frequency range	4G × 1: 698–960 MHz, 1710–2690 MHz Wi-Fi × 1: 2400–2500 MHz
Efficiency	4G × 1: 25%–50% Wi-Fi × 1: 35%–45%
Peak gain	4G × 1: 2.8 dBi Wi-Fi × 1: 2.6 dBi
Radiation pattern	4G × 1: omni-directional Wi-Fi × 1: omni-directional
Polarization	4G × 1: Linear Wi-Fi × 1: Linear

Mechanical data

Dimensions	Ø81 × 14.5 mm
Form factor	Low profile
Mounting type	Screw
Connector type	SMA male
Cable type	RG174
Cable length	900 mm
IP rating	IP66
Operation temperature	–40°C to +85°C



YEMN210J1AH

5G & Wi-Fi 2in1 screw mount Combo external antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	5G × 1: 600–960 MHz & 1400–6000 MHz Wi-Fi × 1: 2400–2500 MHz
Efficiency	5G × 1: 20%–80% Wi-Fi × 1: 53–62%
Peak gain	5G × 1: 5.9 dBi Wi-Fi × 1: 4.4 dBi
Radiation pattern	5G × 1: omni-directional Wi-Fi × 1: omni-directional
Polarization	5G × 1: Linear Wi-Fi × 1: Linear

Mechanical data

Dimensions	Ø40.6 × 104 mm
Form factor	Stubby
Mounting type	Screw
Connector type	SMA male
Cable type	RG174LL
Cable length	300 mm
IP rating	IP67 & IP69K
IK rating	IK10
Operation temperature	–40°C to +85°C



YEMN311J1AH

5G & GNSS 3in1 multiple mount combo external antenna

Compliant

RoHS

Electrical data

Frequency range

5G × 2: 600–960 MHz, 1710–2690 MHz, 3300–6000 MHz

GNSS × 1: 1565–1606 MHz

Efficiency

5G × 2: 55% AVG.

GNSS × 1: 55% AVG.

Peak gain

5G × 2: 5.8 dBi

GNSS × 1: 5.3 dBi

Radiation pattern

5G × 2: omni-directional

GNSS × 1: omni-directional

Polarization

5G × 2: Linear

GNSS × 1: Linear

LNA gain

17 ±3 dB

Mechanical data

Dimensions

Ø54 × 91.8 mm

Form factor

Stubby

Mounting type

Multiple

Connector type

SMA male

Cable type

RG174

Cable length

300 mm

IP rating

IP66

Operation temperature

–40°C to +85°C



YEMN312J1AH

5G & Wi-Fi & GNSS 3in1 multiple mount combo external antenna

Compliant

RoHS & REACH

Electrical data

Frequency range

5G × 1: 617–960 MHz, 1420–2690 MHz, 3300–6000 MHz

Wi-Fi × 1: 2400–2500 MHz, 5150–5850 MHz, 5925–7125 MHz

GNSS × 1: 1565–1606 MHz

Efficiency

5G × 1: 60% AVG.

Wi-Fi × 1: 60% AVG.

GNSS × 1: 52% AVG.

Peak gain

5G × 1: 7.3 dBi

Wi-Fi × 1: 7.9 dBi

GNSS × 1: 2.62 dBi

Radiation pattern

5G × 1: omni-directional

Wi-Fi × 1: omni-directional

GNSS × 1: Directional

Polarization

5G × 1: Linear

Wi-Fi × 1: Linear

GNSS × 1: RHCP

LNA gain

17 ±3 dB

Mechanical data

Dimensions

Ø54 × 91.8 mm

Form factor

Stubby

Mounting type

Multiple

Connector type

SMA male

Cable type

RG174

Cable length

300 mm

IP rating

IP66

Operation temperature

–40°C to +85°C



YEMX223J1A

5G 2in1 multiple mount Combo external antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	410–470 MHz, 617–960 MHz, 1420–1520 MHz, 1710–2690 MHz, 3300–3800 MHz, 4000–6000 MHz
Efficiency	50% AVG.
Peak gain	5.1 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	186 × 176 × 100.5 mm
Form factor	Low profile
Mounting type	Multiple
Connector type	SMA male
Cable type	ALSR200
Cable length	450 mm
IP rating	IP67
IK rating	IK09
Operation temperature	–40°C to +85°C



YEMA200L1AH

4G 2in1 adhesive mount combo external antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	698–960 MHz, 1710–2690 MHz
Efficiency	50% AVG.
Peak gain	3.2 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	143.73 × 51.33 × 15 mm
Form factor	Low profile
Mounting type	Adhesive
Connector type	SMA male & SMA male
Cable type	RG174LL & RG174LL
Cable length	1028mm & 1028 mm
IP rating	IP68
Operation temperature	–40°C to +85°C



YEMA300QXA

4G & Wi-Fi & GNSS L1 3in1 adhesive mount
Combo external antenna

Compliant

RoHS & REACH & CE

Electrical data

Frequency range	4G × 1: 698–960 MHz, 1710–2690 MHz Wi-Fi × 1: 2400–2500 MHz, 5150–5850 MHz GNSS × 1: 1559–1606MHz
Efficiency	4G × 1: 25%–60% Wi-Fi × 1: 47%–53% GNSS × 1: 50%–75%
Peak gain	4G × 1: 4.1 dBi Wi-Fi × 1: 2.7 dBi GNSS × 1: 2.4 dBi
Radiation pattern	4G × 1: omni-directional Wi-Fi × 1: omni-directional GNSS × 1: Directional
Polarization	4G × 1: Linear Wi-Fi × 1: Linear GNSS × 1: RHCP
LNA gain	18 ± 3 dB

Mechanical data

Dimensions	143.73 × 51.33 × 15 mm
Form factor	Low profile
Mounting type	Adhesive
Connector type	SMA male & RP SMA male
Cable type	RG174LL & RG174
Cable length	1028 mm
IP rating	IP68
Operation temperature	–40°C to +85°C



YEMD301L1A

4G & GNSS L1 3in1 multiple mount Combo
external antenna

Compliant

RoHS & REACH & POPS & CE

Electrical data

Frequency range	4G × 2: 698–960 MHz, 1710–2690 MHz GNSS × 1: 1565–1606 MHz
Efficiency	4G × 2: 40%–70% GNSS × 1: 76%–79%
Peak gain	4G × 2: 5.5 dBi GNSS × 1: 2.18 dBi
Radiation pattern	4G × 2: omni-directional GNSS × 1: Directional
Polarization	4G × 2: Linear GNSS × 1: RHCP
LNA gain	18 ± 3 dB

Mechanical data

Dimensions	109.28 × 89 × 25.8 mm
Form factor	Low profile
Mounting type	Multiple
Connector type	SMA male
Cable type	ALS302 & RG174
Cable length	1025 mm
IP rating	IP67
Operation temperature	–40°C to +85°C



YEMD302L1A

4G & Wi-Fi & GNSS L1 3in1 multiple mount combo external antenna

Compliant

RoHS & REACH & POPS & CE

Electrical data

Frequency range

4G × 1: 698–960 MHz, 1710–2690 MHz
Wi-Fi × 1: 2400–2500 MHz, 5150–5850 MHz, 5925–7125 MHz

Efficiency

4G × 1: 30%–75%

Wi-Fi × 1: 33%–58%

GNSS × 1: 76%–79%

Peak gain

4G × 1: 5.1 dBi

Wi-Fi × 1: 5.8 dBi

GNSS × 1: 2.18 dBi

Radiation pattern

4G × 1: omni-directional

Wi-Fi × 1: omni-directional

GNSS × 1: Directional

Polarization

4G × 1: Linear

Wi-Fi × 1: Linear

GNSS × 1: RHCP

LNA gain

18 ± 3 dB

Mechanical data

Dimensions

109.28 × 89 × 25.8 mm

Form factor

Low profile

Mounting type

Multiple

Connector type

SMA male

Cable type

ALS302 & RG174

Cable length

1025 mm

IP rating

IP67

Operation temperature

–40°C to +85°C



YEMD301L1B

4G & GNSS L1 3in1 multiple mount combo external antenna

Compliant

RoHS & REACH & POPS & CE

Electrical data

Frequency range

4G × 2: 698–960 MHz, 1710–2690 MHz

GNSS × 1: 1565–1606 MHz

Efficiency

4G × 2: 40%–70%

GNSS × 1: 76%–79%

Peak gain

4G × 2: 5.5 dBi

GNSS × 1: 2.18 dBi

Radiation pattern

4G × 2: omni-directional

GNSS × 1: Directional

Polarization

4G × 2: Linear

GNSS × 1: RHCP

LNA gain

28 ± 3 dB

Mechanical data

Dimensions

109.28 × 89 × 25.8 mm

Form factor

Low profile

Mounting type

Multiple

Connector type

SMA male

Cable type

ALS302 & RG174

Cable length

1025 mm

IP rating

IP67

Operation temperature

–40°C to +85°C



YEMD302L1B

4G & Wi-Fi & GNSS L1 3in1 multiple mount combo external antenna

Compliant

RoHS & REACH & POPS & CE

Electrical data

Frequency range

4G × 1: 698–960 MHz, 1710–2690 MHz
Wi-Fi × 1: 2400–2500 MHz, 5150–5850 MHz, 5925–7125 MHz
GNSS × 1: 1565–1606 MHz

Efficiency

4G × 1: 30%–75%
Wi-Fi × 1: 33%–58%
GNSS × 1: 76%–79%

Peak gain

4G × 1: 5.1 dBi
Wi-Fi × 1: 5.8 dBi
GNSS × 1: 2.18 dBi

Radiation pattern

4G × 1: omni-directional
Wi-Fi × 1: omni-directional
GNSS × 1: Directional

Polarization

4G × 1: Linear
Wi-Fi × 1: Linear
GNSS × 1: RHCP

LNA Gain

28 ± 3 dB

Mechanical data

Dimensions

109.28 × 89 × 25.8 mm

Form factor

Low profile

Mounting type

Multiple

Connector type

SMA male

Cable type

ALS302 & RG174

Cable length

1025 mm

IP rating

IP67

Operation temperature

–40°C to +85°C



YEMA301J1AM

4G & GNSS L1 3in1 adhesive mount combo external antenna

Compliant

RoHS

Electrical data

Frequency range

4G × 2: 698–960 MHz, 1710–2690 MHz
GNSS L1 × 1: 1559–1606 MHz

Efficiency

4G × 2: 60% AVG.
GNSS L1 × 1: 60% AVG.

Peak gain

4G × 2: 7.0 dBi
GNSS L1 × 1: 4.4 dBi

Radiation pattern

4G × 2: omni-directional
GNSS L1 × 1: Directional

Polarization

4G × 2: Linear
GNSS L1 × 1: RHCP

LNA gain

16 ± 3 dB

Mechanical data

Dimensions

Ø82 × 18.2 mm

Form factor

Low profile

Mounting type

Adhesive

Connector type

SMA male

Cable type

ALS302 & RG174

Cable length

300 mm & 300 mm

IP rating

IP67

Operation temperature

–40°C to +85°C



YEMN302Q1A

4G & GNSS L1 3in1 screw mount Combo external antenna

Compliant

RoHS & REACH & CE

Electrical data

Frequency range	4G × 2: 698–960 MHz, 1710–2690 MHz GNSS × 1: 1565–1606 MHz
Efficiency	4G × 2: 30%–55% GNSS × 1: 66% AVG.
Peak gain	4G × 2: 3.3 dBi GNSS × 1: 2.57 dBi
Radiation pattern	4G × 2: omni-directional GNSS × 1: Directional
Polarization	4G × 2: Linear GNSS × 1: RHCP
LNA gain	18 ± 3 dB

Mechanical data

Dimensions	Ø81.4 × 16.5 mm
Form factor	Low profile
Mounting type	Screw
Connector type	SMA male
Cable type	ALSR100 & RG174
Cable length	1000 mm
IP rating	IP67
Operation temperature	–40°C to +85°C



YB0014AA

4G & GNSS L1 3in1 screw mount Combo external antenna
Compatible with Japan market

Compliant

RoHS

Electrical data

Frequency range	4G × 2: 698–960 MHz, 1710–2690 MHz GNSS × 1: 1559–1586 MHz
Efficiency	4G × 2: 10%–20% GNSS × 1: 36%–44%
Peak gain	4G × 2: –2.2 dBi GNSS × 1: 1.75dBi
Radiation pattern	4G × 2: omni-directional GNSS × 1: Directional
Polarization	4G × 2: Linear GNSS × 1: RHCP
LNA gain	22 ± 3 dB

Mechanical data

Dimensions	Ø81×14.5 mm
Form factor	Low profile
Mounting type	Screw
Connector type	SMA male
Cable type	RG174
Cable length	3000 mm
IP rating	IP66
Operation temperature	–40°C to +85°C



YEMN308L1AM

4G & GNSS L1 3in1 screw mount
combo external antenna

Compliant

RoHS

Electrical data

Frequency range	4G * 2: 698–960 MHz, 1710–2690 MHz GNSS L1 * 1: 1565–1606 MHz
Efficiency	4G * 2: 30%–56% GNSS L1 * 1: 0.48
Peak gain	4G * 2: 3.1dBi GNSS L1 * 1: 1.32dBi
Radiation pattern	4G * 2: omni-directional GNSS L1 * 1: Directional
Polarization	4G * 2: Linear GNSS L1 * 1: RHCP
LNA gain	18 ± 3dB

Mechanical data

Dimensions	Ø 81 × 15.5mm
Form factor	Low profile
Mounting type	Screw
Connector type	SMA male
Cable type	RG174
Cable length	300mm
IP rating	IP67
Operation temperature	–40°C to +85°C



YEMN310L1AM

4G & GNSS L1 3in1 screw mount
combo external antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	4G * 2: 698–960 MHz, 1710–2690 MHz GNSS L1 * 1: 1565–1606 MHz
Efficiency	4G * 2: AVG. 45% GNSS L1 * 1: 26.7%~62.5%
Peak gain	4G * 2: 6.3dBi GNSS L1 * 1: 1.57dBi
Radiation pattern	4G * 2: omni-directional GNSS L1 * 1: Directional
Polarization	4G * 2: Linear GNSS L1 * 1: RHCP
LNA gain	18 ± 3 dB

Mechanical data

Dimensions	89.3 × 86.3 × 35.4mm
Form factor	Low profile
Mounting type	Screw
Connector type	SMA male
Cable type	ALS302 & RG174
Cable length	300mm & 300mm
IP rating	IP67
Operation temperature	–40°C to +85°C



YEMX425J1A

5G 4in1 multiple mount Combo external antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	410–470 MHz, 617–2690 MHz, 3300–6000 MHz
Efficiency	50% AVG.
Peak gain	5.3 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	186 × 176 × 150 mm
Form factor	Low profile
Mounting type	Multiple
Connector type	SMA male
Cable type	ALSR200
Cable length	450 mm
IP rating	IP67
Operation temperature	–40°C to +85°C



YEMN017AA

5G & GNSS L1 & L5 5in1 screw mount Combo external antenna

Compatible with ECE-R118 cables under demand

Compliant

RoHS & REACH & CE

Electrical data

Frequency range	5G × 2: 600–960 MHz, 1400–6000 MHz; 5G × 2: 1400–6000 MHz GNSS × 1: 1164–1189 MHz, 1559–1606 MHz
Efficiency	5G × 2: 50% AVG.; 5G × 2: 30%–70% GNSS × 1: L1: 40%–42%, L5: 45%–47%
Peak gain	5G × 2: 5 dBi; 5G × 2: 4.9 dBi GNSS × 1: L1: –1.2 dBi, L5: 0 dBi
Radiation pattern	5G × 2: omni-directional; 5G × 2: omni-directional GNSS × 1: Directional
Polarization	5G × 2: Linear; 5G × 2: Linear GNSS × 1: RHCP
LNA gain	28 dB

Mechanical data

Dimensions	Ø103.5 × 42.5 mm
Form factor	Low profile
Mounting type	Screw
Connector type	SMA male
Cable type	RG405 & RG174
Cable length	300 mm
IP rating	IP67 & IP69K
IK rating	IK09
Operation temperature	–40°C to +85°C



YEMN400J1AH

5G 4in1 screw mount Combo external antenna

Compliant

RoHS & REACH & CE

Electrical data

Frequency range
Efficiency
Peak gain
Radiation pattern
Polarization

5G × 2: 600-6000 MHz, 5G × 2: 1400-6000 MHz
5G × 2: 50% AVG., 5G × 2: 30%-70%
5G × 2: 5.0 dBi, 5G × 2: 4.9 dBi
5G × 2: omni-directional, 5G × 2: omni-directional
5G × 2: Linear, 5G × 2: Linear

Mechanical data

Dimensions
Form factor
Mounting type
Connector type
Cable type
Cable length
IP rating
IK rating
Operation temperature

Ø103.5 × 42.5 mm
Low profile
Screw
SMA male
RG405
300 mm
IP67 & IP69K
IK09
-40°C to +85°C



YEMN301J1AH

5G & GNSS L1 & L5 3in1 screw mount Combo external antenna

Compliant

RoHS & REACH & CE

Electrical data

Frequency range
Efficiency
Peak gain
Radiation pattern
Polarization
LNA gain

5G × 2: 600-6000 MHz
GNSS L1 & L5 × 1: 1164-1189 MHz, 1559-1606 MHz
5G × 2: 50% AVG.
GNSS L1 & L5 × 1: L1: 40%-42%, L5: 45%-47%
5G × 2: 5.0 dBi
GNSS L1 & L5 × 1: L1: -1.2 dBi, L5: 0 dBi
5G × 2: omni-directional
GNSS L1 & L5 × 1: L1: -1.2 dBi, L5: 0 dBi
5G × 2: Linear
GNSS L1 & L5 × 1: RHCP
28 dB

Mechanical data

Dimensions
Form factor
Mounting type
Connector type
Cable type
Cable length
IP rating
IK rating
Operation temperature

Ø103.5 × 42.5 mm
Low profile
Screw
SMA male
RG405 & RG174
300 mm & 300 mm
IP67 & IP69K
IK09
-40°C to +85°C



YEMN016AA

5G & GNSS L1 & L5 5in1 screw mount Combo external antenna
Compatible with ECE-R118 cables under demand

Compliant

RoHS & REACH & CE

Electrical data

Frequency range

5G × 2: 600–960 MHz, 1400–6000 MHz; 5G × 2: 1400–6000 MHz
GNSS × 1: 1164–1189 MHz, 1559–1606 MHz

Efficiency

5G × 2: 20%–70%; 5G × 2: 20%–60%
GNSS × 1: L1: 50%–52%, L5: 75%–78%

Peak gain

5G × 2: 5.9 dBi; 5G × 2: 4.7 dBi
GNSS × 1: L1: 2.7 dBi, L5: 4.3 dBi

Radiation pattern

5G × 2: omni-directional; 5G × 2: omni-directional
GNSS × 1: Directional

Polarization

5G × 2: Linear, 5G × 2: Linear, GNSS × 1: RHCP

LNA gain

28 dB

Mechanical data

Dimensions

204.4 × 86.7 × 32 mm

Form factor

Low profile

Mounting type

Screw

Connector type

SMA male

Cable type

ALS302 & RG174

Cable length

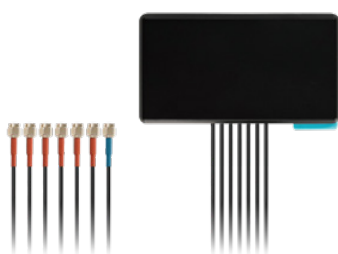
300 mm

IP rating

IP67 & IP69K

Operation temperature

–40°C to +85°C



YEMM701K1AH

5G & GNSS L1 7in1 magnetic mount combo external antenna

Compliant

RoHS & REACH

Electrical data

Frequency range

5G * 4: 600–960 MHz, 1400–6000 MHz
5G * 2: 1400–6000 MHz
GNSS L1 * 1: 1565–1606 MHz

Efficiency

5G * 4: AVG. 35%
5G * 2: AVG. 30%
GNSS L1 * 1: 40%~45%

Peak gain

5G * 4: 2.7dBi
5G * 2: 2.1dBi
GNSS L1 * 1: 1.94dBi

Radiation pattern

5G * 4: omni-directional
5G * 2: omni-directional
GNSS L1 * 1: Directional

Polarization

5G * 4: Linear
5G * 2: Linear
GNSS L1 * 1: RHCP

LNA gain

18 ±3dB

Mechanical data

Dimensions

133 × 73 × 19.1mm

Form factor

Low profile

Mounting type

Magnetic

Connector type

SMA male

Cable type

RG174LL & RG174

Cable length

1000mm & 1000mm

IP rating

IP66

Operation temperature

–40°C to +85°C



YB0027AA

5G & GNSS L1 & L5 9in1 screw mount Combo external antenna

Compatible with ECE-R118 cables under demand

Compliant

RoHS & REACH

Electrical data

Frequency range

5G × 4: 600–960 MHz, 1400–6000 MHz; 5G × 4: 1400–6000 MHz

GNSS × 1: 1164–1189 MHz, 1559–1606 MHz

Efficiency

5G × 4: 25%–60%; 5G × 4: 30%–70%

GNSS × 1: L1: 45%–66%, L5: 80%–85%

Peak gain

5G × 4: 4.9 dBi; 5G × 4: 4.1 dBi

GNSS × 1: L1: 3.8 dBi, L5: 4.7 dBi

Radiation pattern

5G × 4: omni-directional; 5G × 4: omni-directional

GNSS × 1: Directional

Polarization

5G × 4: Linear; 5G × 4: Linear

GNSS × 1: RHCP

LNA gain

22 ± 3 dB

Mechanical data

Dimensions

Ø162 × 56 mm

Form factor

Low profile

Mounting type

Screw

Connector type

SMA male

Cable type

ALS302 & RG174

Cable length

300 mm

IP rating

IP67 & IP69K

IK rating

IK09

Operation temperature

–40°C to +85°C



YEMN701J1AH

5G & GNSS L1 & L5 7in1 screw mount Combo external antenna

Compliant

RoHS & REACH

Electrical data

Frequency range

5G × 4: 600–6000MHz; 5G × 2: 1400–6000MHz

GNSS × 1: 1164–1189MHz, 1559–1606MHz

Efficiency

5G × 4: 25%–60%; 5G × 2: 30%–70%

GNSS × 1: L1:45%–66%, L5:80%–85%

Peak gain

5G × 4: 4.9 dBi; 5G × 2: 4.1 dBi

GNSS × 1: L1: 3.8dBi, L5: 4.7dBi

Radiation pattern

5G × 4: omni-directional; 5G × 2: omni-directional

GNSS × 1: Directional

Polarization

5G × 4: Linear; 5G × 2: Linear

GNSS × 1: RHCP

LNA gain

28 dB

Mechanical data

Dimensions

Ø162 × 56mm

Form factor

Low profile

Mounting type

Screw

Connector type

SMA male

Cable type

ALS302 & RG174

Cable length

300 mm

IP rating

IP67 & IP69K

IK Rating

IK 09

Operation temperature

–40°C to +85°C



YEMN926J1A

5G & GNSS L1 & L5 9in1 screw mount Combo external antenna
Compatible with ECE-R118 cables under demand

Compliant

RoHS & REACH & CE

Electrical data

Frequency range

5G × 4: 600–960 MHz, 1400–6000 MHz; 5G × 4: 1400–6000 MHz

Efficiency

GNSS × 1: 1164–1189 MHz, 1559–1606 MHz

5G × 4: 46% AVG.; 5G × 4: 30%–60%

GNSS × 1: L1: 45%–66%, L5: 80%–85%

Peak gain

5G × 4: 4.3 dBi; 5G × 4: 5.4 dBi

Radiation pattern

GNSS × 1: L1: 3.8 dBi, L5: 4.7 dBi

5G × 4: omni-directional; 5G × 4: omni-directional

Polarization

GNSS × 1: Directional

5G × 4: Linear; 5G × 4: Linear

LNA gain

GNSS × 1: RHCP

22 ± 3 dB

Mechanical data

Dimensions

Ø167 × 57 mm

Form factor

Low profile

Mounting type

Screw

Connector type

SMA male

Cable type

ALS302 & RG174

Cable length

300 mm

IP rating

IP67 & IP69K

IK rating

IK09

Operation temperature

–40°C to +85°C



YEMA013AA

5G & GNSS L1 & L5 9in1 adhesive mount Combo external antenna
Compatible with ECE-R118 cables under demand

Compliant

RoHS & REACH & CE

Electrical data

Frequency range

5G × 4: 600–960 MHz, 1400–6000 MHz; 5G × 4: 1400–6000 MHz

Efficiency

GNSS × 1: 1166–1186 MHz, 1559–1606 MHz

5G × 4: 30%–75%; 5G × 4: 30%–70%

GNSS × 1: L1: 50%–53%, L5: 55%–60%

Peak gain

5G × 4: 5.6 dBi; 5G × 4: 6.3 dBi

Radiation pattern

GNSS × 1: L1: 4.2 dBi, L5: 2.8 dBi

5G × 4: omni-directional; 5G × 4: omni-directional

Polarization

GNSS × 1: Directional

5G × 4: Linear; 5G × 4: Linear

LNA gain

GNSS × 1: RHCP

28 dB

Mechanical data

Dimensions

264.6 × 161.2 × 30.6 mm

Form factor

Low profile

Mounting type

Adhesive

Connector type

SMA male

Cable type

ALSR200 & RG174

Cable length

300 mm

IP rating

IP67 & IP69K

IK rating

IK09

Operation temperature

–40°C to +85°C

EXTERNAL

GNSS antennas



YEGB001Q1A



YEGT000W8A



YEGN103W8A



YEGD006U1A



YEGT003W1AM



YEGT010W1AM



YEGT001W1AM



YETN001L1A





YEGB000Q1C

GNSS L1 adhesive & magnetic mount
low profile active external antenna
Compatible with ECE-R118 cables
under demand

Compliant

RoHS & REACH & CE

Electrical data

Frequency range	1565–1606 MHz
Efficiency	70%–73%
Peak gain	1.7 dBi
Radiation pattern	Directional
Polarization	RHCP
LNA gain	17 ± 3 dB

Mechanical data

Dimensions	46 × 36 × 15.8 mm
Form factor	Low profile
Mounting type	Adhesive & magnetic
Connector type	SMA male
Cable type	RG174
Cable length	3000 mm
IP rating	IP67
Operation temperature	–40°C to +85°C



YEGA001Q1AM

GNSS L1 adhesive mount low profile
active external antenna

Compliant

RoHS

Electrical data

Frequency range	1559–1606 MHz
Efficiency	42.1%–45.3%
Peak gain	–0.34dBi
Radiation pattern	Directional
Polarization	RHCP
LNA gain	21 ± 3dB

Mechanical data

Dimensions	55.6 × 50.3 × 18mm
Form factor	Low profile
Mounting type	Adhesive
Connector type	SMA male
Cable type	RG174
Cable length	3000mm
IP rating	IP66
Operation temperature	–40°C to +85°C



YEGM001Q1AM

GNSS L1 magnetic mount low profile
active external antenna

Compliant

RoHS

Electrical data

Frequency range	1559–1606 MHz
Efficiency	42.1%–45.3%
Peak gain	–0.34dBi
Radiation pattern	Directional
Polarization	RHCP
LNA gain	21 ± 3dB

Mechanical data

Dimensions	55.6 × 50.3 × 18mm
Form factor	Low profile
Mounting type	Magnetic
Connector type	SMA male
Cable type	RG174
Cable length	3000mm
IP rating	IP66
Operation temperature	–40°C to +85°C



YEGB000Q1A

GNSS L1 & L5 adhesive & magnetic mount
low profile active external antenna
Compatible with ECE-R118 cables
under demand

Compliant

RoHS & REACH & CE

Electrical data

Frequency range	1164–1189 MHz, 1559–1606 MHz
Efficiency	L1: 40%–70%, L5: 50%–60%
Peak gain	L1: 3.4 dBi, L5: 1.4 dBi
Radiation pattern	Directional
Polarization	RHCP
LNA gain	17 dB

Mechanical data

Dimensions	62 × 56 × 23 mm
Form factor	Low profile
Mounting type	Adhesive & magnetic
Connector type	SMA male
Cable type	RG174
Cable length	3000 mm
IP rating	IP68
IK rating	IK09
Operation temperature	–40°C to +85°C



YEGN000Q1A

GNSS L1 & L5 bracket mount low profile
active external antenna
Compatible with ECE-R118 cables
under demand

Compliant

RoHS & REACH & CE

Electrical data

Frequency range	1164–1189 MHz, 1559–1606 MHz
Efficiency	L1: 40%–70%, L5: 50%–60%
Peak gain	L1: 3.4 dBi, L5: 1.4 dBi
Radiation pattern	Directional
Polarization	RHCP
LNA gain	17 dB

Mechanical data

Dimensions	62 × 56 × 23 mm
Form factor	Low profile
Mounting type	Bracket
Connector type	SMA male
Cable type	RG174
Cable length	3000 mm
IP rating	IP68
IK rating	IK09
Operation temperature	–40°C to +85°C



YEGB001Q1A

GNSS L1 & L5 adhesive & magnetic mount
low profile active external antenna
Compatible with ECE-R118 cables
under demand

Compliant

RoHS & REACH & CE

Electrical data

Frequency range	1165–1189 MHz, 1559–1606 MHz
Efficiency	L1: 32%–52%, L5: 50%–52%
Peak gain	L1: 1.2 dBi, L5: 1 dBi
Radiation pattern	Directional
Polarization	RHCP
LNA gain	17 dB

Mechanical data

Dimensions	55.2 × 48 × 20.5 mm
Form factor	Low profile
Mounting type	Adhesive & magnetic
Connector type	SMA male
Cable type	RG174
Cable length	3000 mm
IP rating	IP67
Operation temperature	–40°C to +85°C



YEGN001Q1A

GNSS L1 & L5 bracket mount low profile active external antenna
Compatible with ECE-R118 cables under demand

Compliant

RoHS & REACH & CE

Electrical data

Frequency range	1164–1189 MHz, 1559–1606 MHz
Efficiency	L1: 32%–52%, L5: 50%–52%
Peak gain	L1: 1.2 dBi, L5: 1 dBi
Radiation pattern	Directional
Polarization	RHCP
LNA gain	17 dB

Mechanical data

Dimensions	55.2 × 48 × 20.5 mm
Form factor	Low profile
Mounting type	Bracket
Connector type	SMA male
Cable type	RG174
Cable length	3000 mm
IP rating	IP67
Operation temperature	–40°C to +85°C



YEGD006U1A

GNSS full band adhesive & magnetic & screw mount low profile active external antenna

Compliant

RoHS & REACH & POPS & CE

Electrical data

Frequency range	Lower band: 1164–1300 MHz; L-band: 1525–1559 MHz; Upper band: 1559–1606 MHz
Efficiency	Lower band: 63%; L-band: 51%; Upper band: 80%
Peak gain	Lower band: 3.27 dBi; L-band: 2.46 dBi; Upper band: 4.77 dBi
Radiation pattern	Directional
Polarization	RHCP
LNA Gain	30 ± 4 dB

Mechanical data

Dimensions	109.28 × 89 × 25.8 mm
Form factor	Low profile
Mounting type	Adhesive & magnetic & screw
Connector type	SMA male
Cable type	RG174
Cable length	5055 mm
IP rating	IP68
Operation temperature	–40°C to +85°C



YEGT002W1AM

GNSS L1 terminal mount rubber passive external antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	1559–1606 MHz
Efficiency	57%–62%
Peak gain	2.2 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	52.6 × 18.6 × 9 mm
Form factor	Rubber
Mounting type	Terminal
Connector type	SMA male 90
IP rating	IP53
Operation temperature	–40°C to +85°C



YEGT003W1AM

GNSS L1 terminal mount rubber passive external antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	1559–1606 MHz
Efficiency	52%–56%
Peak gain	1.7 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	Ø9 × 54.9 mm
Form factor	Rubber
Mounting type	Terminal
Connector type	SMA male
IP rating	IP53
Operation temperature	–40°C to +85°C



YEGT010W1AM

GNSS L1 magnetic mount rubber passive external antenna

Compliant

RoHS

Electrical data

Frequency range	1559–1606 MHz
Efficiency	75.5%–78.2%
Peak gain	3.5 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	Ø10.22 × 69.5 mm
Form factor	Rubber
Mounting type	Magnetic
Connector type	SMA male
Operation temperature	–40°C to +85°C



YEGT001W1AM

GNSS L1 terminal mount rubber passive external antenna

Compliant

RoHS

Electrical data

Frequency range	1559–1606 MHz
Efficiency	70%–76%
Peak gain	2.2 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	Ø13 × 135 mm
Form factor	Rubber
Mounting type	Terminal
Connector type	SMA male
Operation temperature	–40°C to +85°C



YEGT000W8A

GNSS L1 & L5 screw mount low profile active external antenna

Compliant

RoHS

Electrical data

Frequency range	1164–1189 MHz, 1559–1606 MHz
Efficiency	L1: 27%–36%, L5: 45%–48%
Peak gain	L1: –0.5 dBi, L5: –0.5 dBi
Radiation pattern	Directional
Polarization	RHCP
LNA gain	28 dB

Mechanical data

Dimensions	Ø65 × 45 mm
Form factor	Low profile
Mounting type	Screw
Connector type	TNC female
IP rating	IP67
Operation temperature	–40°C to +85°C



YEGN103W8A

GNSS L1 & L2 & L5 & E6 & L-band magnetic mount low profile active external antenna

Compliant

RoHS & REACH & CE

Electrical data

Frequency range	1164–1300 MHz, 1525–1606 MHz
Efficiency	Lower band: 67%, L-band: 49%, Upper band: 77%
Peak gain	Lower band: 5.4 dBi, L-band: 3.3 dBi, Upper band: 5.5 dBi
Radiation pattern	Directional
Polarization	RHCP
LNA gain	40 ± 4 dB

Mechanical data

Dimensions	Ø146.4 × 71.43 mm
Form factor	Low profile
Mounting type	Magnetic
Connector type	SMA male
Cable Type	RG174
Cable Length	3000 mm
IP rating	IP67
Operation temperature	–40°C to +85°C



YEGR001W8AH

GNSS L1 & L2 & L5 & E6 & L-band terminal mount low profile active external antenna

Compliant

RoHS & REACH & CE

Electrical data

Frequency range	1164–1300 MHz, 1525–1606 MHz
Efficiency	L2/L5/E6/B3: 30%–67%, L1: 58%–76%
Peak gain	L2/L5/E6/B3: 5.4 dBi, L1: 5.5 dBi
Radiation pattern	Directional
Polarization	RHCP
LNA gain	40 ± 4 dB

Mechanical data

Dimensions	Ø146.4 × 71.43 mm
Form factor	Low profile
Mounting type	Terminal
Connector type	TNC female
IP rating	IP67
Operation temperature	–40°C to +85°C



YEGN002W8AH

GNSS full band screw mount low profile
active external antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	1164-1300 MHz,1525-1606 MHz
Efficiency	Lower Band: 62%; L-band: 69%; Upper Band: 89.8%
Peak gain	Lower Band: 4.5 dBi; L-band: 4.7 dBi; Upper Band: 6.1 dBi
Radiation pattern	Directional
Polarization	RHCP
LNA gain	37 ±4 dB

Mechanical data

Dimensions	Ø146.4 × 71.43 mm
Form factor	Low profile
Mounting type	Screw
Connector type	TNC female
IP rating	IP67
Operation temperature	-40°C to +85°C



YETN001L1A

L-Band & GNSS L1 & Iridium screw mount low profile passive external antenna

Compliant

RoHS & REACH & CE

Electrical data

Frequency range

Efficiency

Peak gain

Radiation pattern
Polarization

GNSS: 1559–1606 MHz
L-Band: 1518–1559 MHz,1626–1660 MHz,1668–1675 MHz
Iridium: 1616–1626 MHz
GNSS: 60%–65%
L-Band: 45%–72%
Iridium: 68%–70%
GNSS: 4.3 dBi
L-Band: 4.2 dBi
Iridium: 4.2 dBi
Directional
RHCP

Mechanical data

Dimensions

Form factor

Mounting type

Connector type

Cable type

Cable length

IP rating

IK rating

Operation temperature

106.15 × 87.21 × 26.5 mm
Low profile
Screw
SMA male
ALS302
524 mm
IP67 & IP69K
IK09
–40°C to +85°C

EXTERNAL

LPWA/ISM antennas



YENA001L1AH



YENT001W1AM





YENTO60W1AM

LPWA/ISM terminal mount rubber
monopole external antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	863-930 MHz
Efficiency	50% AVG.
Peak gain	1.9 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	Ø 9.4 × 34.7 mm
Form factor	Rubber
Mounting type	Terminal
Connector type	SMA male
Operation temperature	-40°C to +85°C



YENTO02F3AM

LPWA/ISM terminal mount rubber
dipole external antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	860-930 MHz
Efficiency	AVG. 56.2%
Peak gain	1.9dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	15.6 × 13 × 130 mm
Form factor	Rubber
Mounting type	Terminal
Connector type	IPEX MHF1
Cable type	RF1.13
Cable length	150mm
Operation temperature	-40°C to +85°C



YENTO00W1AM

LPWA/ISM terminal mount rubber
monopole external antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	410-470 MHz
Efficiency	24%-83%
Peak gain	1.3 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	135 × 15.6 × 13 mm
Form factor	Rubber
Mounting type	Terminal
Connector type	SMA male
IP rating	IP67
Operation temperature	-40°C to +85°C



YENT001W1AM

LPWA/ISM terminal mount rubber
monopole external antenna

Compliant

RoHS

Electrical data

Frequency range	410-470 MHz
Efficiency	57%~70%
Peak gain	1.9 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	135 × 15.6 × 13 mm
Form factor	Rubber
Mounting type	Terminal
Connector type	SMA male
Operation temperature	-40°C to +85°C



YENT002W1AM

LPWA/ISM terminal mount rubber
dipole external antenna

Compliant

RoHS

Electrical data

Frequency range	850-950 MHz
Efficiency	41-57%
Peak gain	1.5 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	135 × 15.6 × 13 mm
Form factor	Rubber
Mounting type	Terminal
Connector type	RP SMA male
Operation temperature	-40°C to +85°C



YENT001W1WM

LPWA/ISM terminal mount rubber
monopole external antenna

Compliant

RoHS

Electrical data

Frequency range	410-470 MHz
Efficiency	60% AVG.
Peak gain	1.9 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	135 × 15.6 × 13 mm
Form factor	Rubber
Mounting type	Terminal
Connector type	SMA male
Operation temperature	-40°C to +85°C



YENM001L1AH

LPWA/ISM magnetic mount whip monopole external antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	433–435 MHz, 450–470 MHz
Efficiency	35%–40%
Peak gain	3 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	Ø30 × 82.2 mm
Form factor	Whip
Mounting type	Magnetic
Connector type	SMA male
Cable type	RG174
Cable length	1000 mm
IP rating	IP67
Operation temperature	–40°C to +85°C



YENA001L1AH

LPWA/ISM adhesive mount whip monopole external antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	433–435 MHz, 450–470 MHz
Efficiency	35%–40%
Peak gain	3 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	Ø30 × 83.2 mm
Form factor	Whip
Mounting type	Adhesive
Connector type	SMA male
Cable type	RG174
Cable length	1000 mm
IP rating	IP67
Operation temperature	–40°C to +85°C



YECW058L1AM

LPWA/ISM screw mount low profile dipole external antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	400–470 MHz
Efficiency	55% AVG.
Peak gain	2.1 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	223.18 × 74.09 × 76.50 mm
Form factor	Low profile
Mounting type	Screw
Connector type	SMA male
Cable type	RG174
Cable length	1500 mm
Operation temperature	–40°C to +85°C



YENTO06W7AM

LPWA/ISM terminal mount fiberglass
array external antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	902-928MHz
Efficiency	0.677
Peak gain	3.8dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	Ø 25.5 × 600mm
Form factor	Fiberglass
Mounting type	Terminal
Connector type	N type male
IP rating	IP67
Operation temperature	-40°C to +85°C



YENTO05W7AM

LPWA/ISM terminal mount fiberglass
array external antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	860-870 MHz
Efficiency	0.65
Peak gain	3.1dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	Ø 25.5 × 600mm
Form factor	Fiberglass
Mounting type	Terminal
Connector type	N type male
IP rating	IP67
Operation temperature	-40°C to +85°C



YEMJ294JPAM

5G 2in1 screw mount combo external antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	617–5950 MHz
Peak gain	6.5 dBi
Polarization	Linear

Mechanical data

Dimensions	Ø 256 × 18 mm
Form factor	Small cell
Mounting type	Screw
Connector type	4.3.10-female
Cable type	402 NM FJ
Cable length	300 mm
Operation temperature	–40°C to +60°C



YEMG493KPAM

5G 4in1 wall & pole mount combo external antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	3300–4200 MHz
Peak gain	12 dBi
Polarization	±45°

Mechanical data

Dimensions	210 × 210 × 48 mm
Form factor	Small cell
Mounting type	Wall & Pole
Connector type	4.3.10-female
Cable type	402 NM FJ
Cable length	500 mm
IP rating	IP65
Operation temperature	–40°C to +60°C



YEMG298WBAM

Wi-Fi 2in1 pole mount combo external antenna

Compliant

RoHS

Electrical data

Frequency range	Wi-Fi × 1: 2400–2483 MHz Wi-Fi × 1: 5150–5850 MHz
Peak gain	Wi-Fi × 1: 14 dBi Wi-Fi × 1: 17 dBi
Polarization	Vertical & Horizontal

Mechanical data

Dimensions	270 × 270 × 43.41 mm
Form factor	Small cell
Mounting type	Pole
Connector type	N type female & N type female
Operation temperature	–40°C to +65°C

EMBEDDED

5G antennas



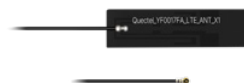
YC0018CA



YPCS001AA



YF0017FA



YFCA010AA

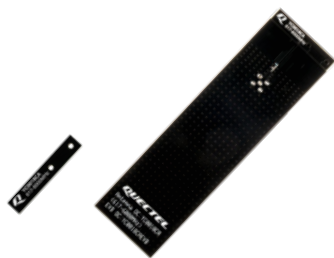


YFCA011AA



YF0020EA





YC0018CA

5G SMT mount PCB chip IFA
embedded antenna

EVB

YC0018CAEVB

Compliant

RoHS & REACH

Electrical data

Frequency range

617–960 MHz, 1420–1520 MHz, 1710–2690 MHz, 3300–4200 MHz,
4400–5000 MHz, 5150–5850 MHz

Efficiency

20%–75%

Peak gain

5.9 dBi

Radiation pattern

omni-directional

Polarization

Linear

Mechanical data

Dimensions

Antenna: 40 × 7 × 3 mm; EVB: 141 × 40.4 × 0.8 mm

Form factor

PCB chip

Mounting type

SMT

Operation temperature

–40°C to +85°C



YPCS001AA

5G SMT mount PCB chip monopole
embedded antenna

EVB

YPCS001AAEVB

Compliant

RoHS & REACH

Electrical data

Frequency range

1427–5850 MHz

Efficiency

20%–65%

Peak gain

2.6 dBi

Radiation pattern

omni-directional

Polarization

Linear

Mechanical data

Dimensions

Antenna: 20 × 10 × 3 mm; EVB: 60 × 20 × 0.8 mm

Form factor

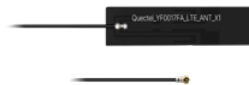
PCB chip

Mounting type

SMT

Operation temperature

–40°C to +85°C



YF0017FA

5G adhesive mount FPC + cable dipole
embedded antenna

Compliant

RoHS & REACH

Electrical data

Frequency range

1500–6000 MHz

Efficiency

45%–75%

Peak gain

4.4 dBi

Radiation pattern

omni-directional

Polarization

Linear

Mechanical data

Dimensions

49 × 13 mm

Form factor

FPC + cable

Mounting type

Adhesive

Connector type

IPEX MHF4L

Cable type

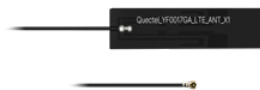
RF1.13

Cable length

201 mm

Operation temperature

–40°C to +85°C



YF0017GA

5G adhesive mount FPC + cable dipole embedded antenna

Compliant

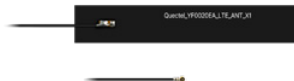
RoHS & REACH

Electrical data

Frequency range	1100–6000 MHz
Efficiency	53% AVG.
Peak gain	6.4 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	49 × 13 mm
Form factor	FPC + cable
Mounting type	Adhesive
Connector type	IPEX MHF4L
Cable type	RF1.13
Cable length	201 mm
Operation temperature	–40°C to +85°C



YF0020EA

5G adhesive mount FPC + cable dipole embedded antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	600–6000 MHz
Efficiency	30%–90%
Peak gain	4.2 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	90.3 × 15.3 mm
Form factor	FPC + cable
Mounting type	Adhesive
Connector type	IPEX MHF4L
Cable type	RF1.13
Cable length	202 mm
Operation temperature	–40°C to +85°C



YFCA010AA

5G adhesive mount FPC + cable dipole embedded antenna

Compliant

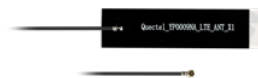
RoHS & REACH

Electrical data

Frequency range	410–470 MHz; 698–960 MHz; 1400–6000 MHz
Efficiency	23%–68%
Peak gain	3.5 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	138.8 × 16.2 mm
Form factor	FPC + cable
Mounting type	Adhesive
Connector type	IPEX MHF1
Cable type	RF1.13
Cable length	101 mm
Operation temperature	–40°C to +85°C



YP0009NA

5G adhesive mount PCB + cable dipole embedded antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	1100–6000 MHz
Efficiency	30%–80%
Peak gain	5.4 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	49 × 13 × 0.8 mm
Form factor	PCB + cable
Mounting type	Adhesive
Connector type	IPEX MHF4L
Cable type	RF1.13
Cable length	202 mm
Operation temperature	–40°C to +85°C



YP0009OA

5G adhesive mount PCB + cable dipole embedded antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	600–6000 MHz
Efficiency	30%–75%
Peak gain	5.4 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	78.5 × 14.2 × 0.8 mm
Form factor	PCB + cable
Mounting type	Adhesive
Connector type	IPEX MHF4L
Cable type	RF1.13
Cable length	202 mm
Operation temperature	–40°C to +85°C



YPCA006AA

5G adhesive mount PCB + cable dipole embedded antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	410–470 MHz; 698–960 MHz; 1400–6000 MHz
Efficiency	16%–75%
Peak gain	3.7 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	150 × 16.2 × 0.6 mm
Form factor	PCB + cable
Mounting type	Adhesive
Connector type	IPEX MHF1
Cable type	RF1.13
Cable length	101 mm
Operation temperature	–40°C to +85°C



YFCA011AA

5G adhesive mount FPC + cable dipole
embedded antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	600–960 MHz, 1520–6000 MHz
Efficiency	20%–75%
Peak gain	7.5 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	120 × 47 mm
Form factor	FPC + cable
Mounting type	Adhesive
Connector type	IPEX MHF1
Cable type	RF1.37
Cable length	150 mm
Operation temperature	–40°C to +85°C



YFCP018WWA

5G SMT mount PCB chip IFA
embedded antenna
Compatible with Japan market

EVB

YFCP018WWAEVB

Compliant

RoHS & REACH

Electrical data

Frequency range	617–960 MHz, 1420–1520 MHz, 1710–2690 MHz, 3300–4200 MHz, 4400–5000 MHz, 5150–5850 MHz
Efficiency	43% AVG.
Peak gain	2.9 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	Antenna: 40 × 7 × 3 mm, EVB: 141 × 40.4 mm
Form factor	PCB chip
Mounting type	SMT
Operation temperature	–40°C to +85°C



YFCP001WWA

5G SMT mount PCB chip monopole
embedded antenna
Compatible with Japan market

EVB

YFCP001WWAEVB

Compliant

RoHS & REACH

Electrical data

Frequency range	1427–5850 MHz
Efficiency	45% AVG.
Peak gain	2.7 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	Antenna: 20 × 10 × 3 mm, EVB: 60 × 20 mm
Form factor	PCB chip
Mounting type	SMT
Operation temperature	–40°C to +85°C

EMBEDDED

4G antennas



YC0003BA



YMCP001AA



YMCP002AA



YF0006PA



YF0003FA



YF0028AA

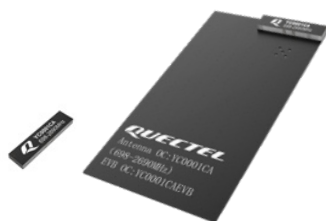


YC0002AA



YPCA004AA





YC0001CA

4G SMT mount PCB chip IFA
embedded antenna
Compatible with Japan market

EVB

YC0001CAEVB

Compliant

RoHS & REACH

Electrical data

Frequency range
Efficiency
Peak gain
Radiation pattern
Polarization

698–960 MHz, 1710–2700 MHz
42% AVG.
2.7 dBi
omni-directional
Linear

Mechanical data

Dimensions
Form factor
Mounting type
Operation temperature

Antenna: 35 × 8.5 × 3 mm, EVB: 121.4 × 65 × 1 mm
PCB chip
SMT
–40°C to +85°C



YC0002AA

4G SMT mount PCB chip IFA
embedded antenna
Compatible with Japan market

EVB

YC0002AAEVB

Compliant

RoHS & REACH

Electrical data

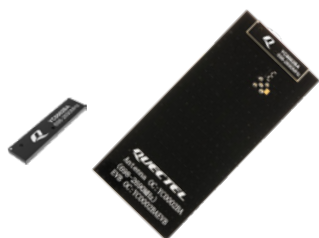
Frequency range
Efficiency
Peak gain
Radiation pattern
Polarization

698–960 MHz, 1710–2690 MHz
30%–80%
3.5 dBi
omni-directional
Linear

Mechanical data

Dimensions
Form factor
Mounting type
Operation temperature

Antenna: 42 × 10 × 3 mm, EVB: 131 × 60 × 0.8 mm
PCB chip
SMT
–40°C to +85°C



YC0002BA

4G SMT mount PCB chip IFA
embedded antenna

EVB

YC0002BAEVB

Compliant

RoHS & REACH

Electrical data

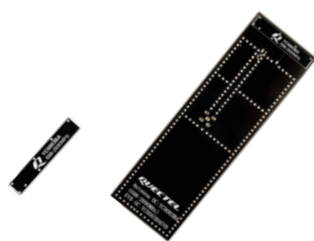
Frequency range
Efficiency
Peak gain
Radiation pattern
Polarization

698–960 MHz, 1710–2690 MHz
30%–75%
4.1 dBi
omni-directional
Linear

Mechanical data

Dimensions
Form factor
Mounting type
Operation temperature

Antenna: 42 × 10 × 3 mm, EVB: 131 × 60 mm
PCB chip
SMT
–40°C to +85°C



YC0003BA

4G SMT Mount PCB chip IFA
embedded antenna

EVB

YC0003BAEVB

Compliant

RoHS & REACH

Electrical data

Frequency range
Efficiency
Peak gain
Radiation pattern
Polarization

698–960 MHz, 1710–2690 MHz
30%–60%
3.1 dBi
omni-directional
Linear

Mechanical data

Dimensions
Form factor
Mounting type
Operation temperature

Antenna: 40 × 7 × 3 mm, EVB: 136.5 × 43 × 1 mm
PCB chip
SMT
–40°C to +85°C



YC0017DA

4G SMT mount PCB chip IFA
embedded antenna

EVB

YC0017DAEVB

Compliant

RoHS & REACH

Electrical data

Frequency range
Efficiency
Peak gain
Radiation pattern
Polarization

698–960 MHz, 1710–2690 MHz, 3300–3800 MHz
25%–75%
3.1 dBi
omni-directional
Linear

Mechanical data

Dimensions
Form factor
Mounting type
Operation temperature

Antenna: 25 × 7 × 3 mm, EVB: 140 × 36 × 0.8 mm
PCB chip
SMT
–40°C to +85°C



YPCP001AA

4G SMT mount PCB chip IFA
embedded antenna

EVB

YPCP001AAEVB

Compliant

RoHS & REACH

Electrical data

Frequency range
Efficiency
Peak gain
Radiation pattern
Polarization

600–960 MHz, 1710–2690 MHz
20%–75%
3.1 dBi
omni-directional
Linear

Mechanical data

Dimensions
Form factor
Mounting type
Operation temperature

Antenna: 36 × 9 × 3 mm, EVB: 110 × 45.5 × 0.8 mm
PCB chip
SMT
–40°C to +85°C



YPCP003AA

4G SMT mount PCB chip IFA
embedded antenna
Compatible with Japan market

EVB

YPCP003AAEVB

Compliant

RoHS & REACH

Electrical data

Frequency range

Efficiency

Peak gain

Radiation pattern

Polarization

698–960 MHz, 1695–2200 MHz, 2300–2700 MHz

50% AVG.

3.3 dBi

omni-directional

Linear

Mechanical data

Dimensions

Form factor

Mounting type

Operation temperature

Antenna: 28 × 8 × 3 mm, EVB: 130 × 36 mm

PCB chip

SMT

–40°C to +85°C



YPCP003BA

4G SMT mount PCB chip IFA
embedded antenna

EVB

YPCP003BAEVB

Compliant

RoHS & REACH

Electrical data

Frequency range

Efficiency

Peak gain

Radiation pattern

Polarization

698–960 MHz, 1695–2200 MHz, 2300–2700 MHz

46% AVG.

3.7 dBi

omni-directional

Linear

Mechanical data

Dimensions

Form factor

Mounting type

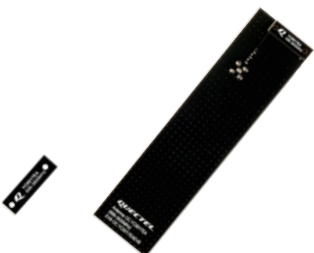
Operation temperature

Antenna: 28 × 8 × 3 mm, EVB: 130 × 36 mm

PCB chip

SMT

–40°C to +85°C



YC0017EA

4G SMT mount PCB chip IFA
embedded antenna

EVB

YC0017EAEB

Compliant

RoHS & REACH

Electrical data

Frequency range

Efficiency

Peak gain

Radiation pattern

Polarization

698–960 MHz, 1710–2690 MHz, 3300–3800 MHz

20%–75%

3.1 dBi

omni-directional

Linear

Mechanical data

Dimensions

Form factor

Mounting type

Operation temperature

Antenna: 25 × 7 × 3 mm, EVB: 140 × 36 × 0.8 mm

PCB chip

SMT

–40°C to +85°C



YMCP001AA

4G screw mount sheet metal + holder PIFA embedded antenna
Compatible with Japan market

EVB

YMCP001AAEVBA

Compliant

RoHS & REACH

Electrical data

Frequency range
Efficiency
Peak gain
Radiation pattern
Polarization

698–960 MHz, 1710–2700 MHz
48% AVG.
2.2 dBi
omni-directional
Linear

Mechanical data

Dimensions

Antenna: 43.19 × 12.73 × 8.15 mm

YMCP001AAEVBA: 145 × 75 mm

Form factor

Sheet metal + holder

Mounting type

Screw

Operation temperature

–40°C to +85°C



YMCP002AA

4G SMT mount sheet metal PIFA embedded antenna

EVB

YMCP002AAEVBA

Compliant

RoHS & REACH

Electrical data

Frequency range
Efficiency
Peak gain
Radiation pattern
Polarization

600–960 MHz, 1710–2690 MHz
40%–75%
3.9 dBi
omni-directional
Linear

Mechanical data

Dimensions

Antenna: 40 × 7.23 × 7.6 mm, EVB: 40 × 136.5 mm

Form factor

Sheet metal

Mounting type

SMT

Operation temperature

–40°C to +85°C



YFCA002HA

4G adhesive mount FPC + cable monopole embedded antenna
Compatible with Japan market

Compliant

RoHS & REACH

Electrical data

Frequency range
Efficiency
Peak gain
Radiation pattern
Polarization

698–960 MHz, 1710–2690 MHz
20%–75%
3.7 dBi
omni-directional
Linear

Mechanical data

Dimensions

30 × 20 mm

Form factor

FPC + cable

Mounting type

Adhesive

Connector type

IPEX MHF1

Cable type

RF1.13

Cable length

86.5 mm

Operation temperature

–40°C to +85°C



YF0006PA

4G adhesive mount FPC + cable monopole
embedded antenna
Compatible with Japan market

Compliant

RoHS & REACH

Electrical data

Frequency range	698–2700 MHz
Efficiency	52% AVG.
Peak gain	3.5 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	50 × 25 mm
Form factor	FPC + cable
Mounting type	Adhesive
Connector type	IPEX MHF1
Cable type	RF1.13
Cable length	90 mm
Operation temperature	–40°C to +85°C



YF0003FA

4G adhesive mount FPC + cable monopole
embedded antenna

Compliant

RoHS

Electrical data

Frequency range	824–960 MHz, 1710–2690 MHz
Efficiency	25%–70%
Peak gain	3.3 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	62 × 19 mm
Form factor	FPC + cable
Mounting type	Adhesive
Connector type	IPEX MHF1
Cable type	RF1.13
Cable length	150 mm
Operation temperature	–40°C to +85°C



YF0028AA

4G adhesive mount FPC + cable dipole
embedded antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	698–2690 MHz
Efficiency	30%–75%
Peak gain	3.9 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	94 × 21 mm
Form factor	FPC + cable
Mounting type	Adhesive
Connector type	IPEX MHF1
Cable type	RF1.37
Cable length	150 mm
Operation temperature	–40°C to +85°C



YF0022DA

4G adhesive mount PCB + cable monopole
embedded antenna
Compatible with Japan market

Compliant

RoHS & REACH

Electrical data

Frequency range	698–960 MHz, 1710–2690 MHz
Efficiency	46% AVG.
Peak gain	2.6 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	15 × 40 × 0.8 mm
Form factor	PCB + cable
Mounting type	Adhesive
Connector type	IPEX MHF1
Cable type	RF1.13
Cable length	74.5 mm
Operation temperature	–40°C to +85°C



YF0007KA

4G adhesive mount PCB + cable monopole
embedded antenna
Compatible with Japan market

Compliant

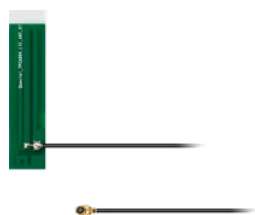
RoHS & REACH

Electrical data

Frequency range	600–960 MHz, 1427.9–1495.9 MHz 1710–2690 MHz
Efficiency	58% AVG.
Peak gain	3.1 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	50 × 25 × 0.8 mm
Form factor	PCB + cable
Mounting type	Adhesive
Connector type	IPEX MHF1
Cable type	RF1.37
Cable length	74.5 mm
Operation temperature	–40°C to +85°C



YPCA004AA

4G adhesive mount PCB + cable monopole
embedded antenna
Compatible with Japan market

Compliant

RoHS

Electrical data

Frequency range	698–960 MHz, 1710–2690 MHz
Efficiency	43% AVG.
Peak gain	2.2 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	40 × 10 × 1.15 mm
Form factor	PCB + cable
Mounting type	Adhesive
Connector type	IPEX MHF1
Cable type	RF1.13
Cable length	100 mm
Operation temperature	–40°C to +85°C



YFCP002WWA

4G SMT mount PCB chip IFA
embedded antenna
Compatible with Japan market

EVB

YFCP002WWAEVB

Compliant

RoHS & REACH

Electrical data

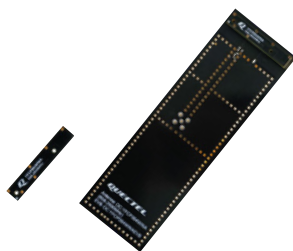
Frequency range
Efficiency
Peak gain
Radiation pattern
Polarization

698–960 MHz, 1710–2690 MHz
35%~72%
3.9 dBi
omni-directional
Linear

Mechanical data

Dimensions
Form factor
Mounting type
Operation temperature

Antenna: 42 × 10 × 3 mm, EVB: 131 × 60 × 0.8 mm
PCB chip
SMT
–40°C to +85°C



YFCP004WWA

4G SMT mount PCB chip IFA
embedded antenna
Compatible with Japan market

EVB

YFCP004WWAEVB

Compliant

RoHS & REACH

Electrical data

Frequency range
Efficiency
Peak gain
Radiation pattern
Polarization

698–960 MHz, 1710–2690 MHz
27%–68%
2.9 dBi
omni-directional
Linear

Mechanical data

Dimensions
Form factor
Mounting type
Operation temperature

Antenna: 40 × 7 × 3 mm, EVB: 136.5 × 43 × 1 mm
PCB chip
SMT
–40°C to +85°C



YFCP017WWA

4G SMT mount PCB chip IFA
embedded antenna
Compatible with Japan market

EVB

YFCP017WWAEVB

Compliant

RoHS & REACH

Electrical data

Frequency range
Efficiency
Peak gain
Radiation pattern
Polarization

698–960 MHz, 1710–2690 MHz, 3300–3800 MHz
26%–66%
2.9 dBi
omni-directional
Linear

Mechanical data

Dimensions
Form factor
Mounting type
Operation temperature

Antenna: 25 × 7 × 3 mm, EVB: 140 × 36 × 0.8 mm
PCB chip
SMT
–40°C to +85°C



YFCP017WWB

4G SMT mount PCB chip IFA
embedded antenna
Compatible with Japan market

EVb

YFCP017WWBEVB

Compliant

RoHS & REACH

Electrical data

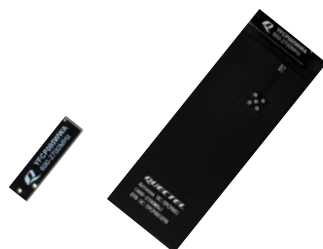
Frequency range
Efficiency
Peak gain
Radiation pattern
Polarization

698–960 MHz, 1710–2690 MHz, 3300–3800 MHz
29%–73%
2.9 dBi
omni-directional
Linear

Mechanical data

Dimensions
Form factor
Mounting type
Operation temperature

Antenna: 25 × 7 × 3 mm, EVB: 140 × 36 × 0.8 mm
PCB chip
SMT
–40°C to +85°C



YFCP005WWA

4G SMT Mount PCB chip IFA
embedded antenna
Compatible with Japan market

EVb

YFCP005WWAEVB

Compliant

RoHS & REACH

Electrical data

Frequency range
Efficiency
Peak gain
Radiation pattern
Polarization

600–960 MHz, 1710–2690 MHz
45% AVG.
2.9 dBi
omni-directional
Linear

Mechanical data

Dimensions
Form factor
Mounting type
Operation temperature

Antenna: 36 × 9 × 3 mm, EVB: 126.5 × 45.5 × 0.8 mm
PCB chip
SMT
–40°C to +85°C



YFCP006WWA

4G SMT mount PCB chip IFA
embedded antenna
Compatible with Japan market

EVb

YFCP006WWAEVB

Compliant

RoHS & REACH

Electrical data

Frequency range
Efficiency
Peak gain
Radiation pattern
Polarization

698–960 MHz, 1695–2200 MHz, 2300–2690 MHz
48% AVG.
2.9 dBi
omni-directional
Linear

Mechanical data

Dimensions
Form factor
Mounting type
Operation temperature

Antenna: 28 × 8 × 3 mm, EVB: 130 × 36 mm
PCB chip
SMT
–40°C to +85°C



YFCH001WWA

4G Screw mount sheet metal + holder PIFA
embedded antenna
Compatible with Japan market

EVB

YFCH001WWAEVB

Compliant

RoHS & REACH

Electrical data

Frequency range
Efficiency
Peak gain
Radiation pattern
Polarization

698–960 MHz, 1710–2700 MHz
45% AVG.
2.3 dBi
omni-directional
Linear

Mechanical data

Dimensions
Form factor
Mounting type
Operation temperature

Antenna: 43.19 × 12.73 × 8.15 mm, EVB: 145 × 75 mm
Sheet metal + holder
Screw
–40°C to +85°C



YFCH002WWA

4G SMT mount sheet metal PIFA
embedded antenna
Compatible with Japan market

EVB

YFCH002WWAEVB

Compliant

RoHS & REACH

Electrical data

Frequency range
Efficiency
Peak gain
Radiation pattern
Polarization

600–960 MHz, 1710–2690 MHz
22%–64%
2.6 dBi
omni-directional
Linear

Mechanical data

Dimensions
Form factor
Mounting type
Operation temperature

Antenna: 40 × 7.23 × 7.6 mm, EVB: 136.5 × 43 mm
Sheet metal
SMT
–40°C to +85°C

EMBEDDED

Wi-Fi antennas



YC0009AA



YC0010AA



YFBC001WWA



YXU00A0AA



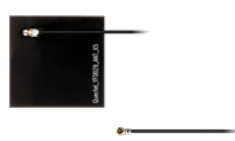
YF0026AA



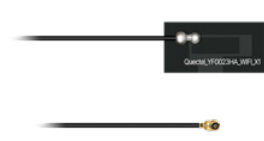
YF0027AA



YF0029AA



YF0023HA





YC0009AA

Wi-Fi SMT mount ceramic chip IFA
embedded antenna

EVB

YC0009AAEVB

Compliant

RoHS

Electrical data

Frequency range

2400–2500 MHz

Efficiency

55%–70%

Peak gain

0.1 dBi

Radiation pattern

omni-directional

Polarization

Linear

Mechanical data

Dimensions

Antenna: 3.2 × 1.6 × 0.5 mm, EVB: 91 × 51 mm

Form factor

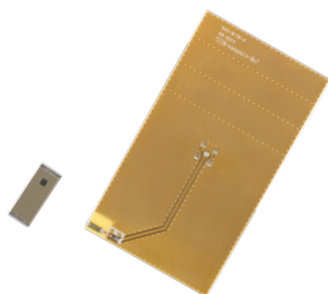
Ceramic chip

Mounting type

SMT

Operation temperature

–40°C to +85°C



YC0010AA

Wi-Fi SMT mount ceramic chip monopole
embedded antenna

EVB

YC0010AAEVB

Compliant

RoHS & REACH

Electrical data

Frequency range

2400–2500 MHz

Efficiency

55%–70%

Peak gain

3.8 dBi

Radiation pattern

omni-directional

Polarization

Linear

Mechanical data

Dimensions

Antenna: 5.2 × 2 × 1.2 mm, EVB: 90 × 50 mm

Form factor

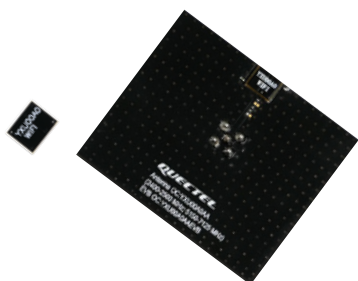
Ceramic chip

Mounting type

SMT

Operation temperature

–40°C to +85°C



YXU00A0AA

Wi-Fi SMT mount PCB chip loop
embedded antenna
Compatible with Japan market

EVB

YXU00A0AAEVB

Compliant

RoHS

Electrical data

Frequency range

2400–2500 MHz; 5150–7125 MHz

Efficiency

45%–70%

Peak gain

3.6 dBi

Radiation pattern

omni-directional

Polarization

Linear

Mechanical data

Dimensions

Antenna: 8 × 6.6 × 1.6 mm, EVB: 60 × 50 × 1.6 mm

Form factor

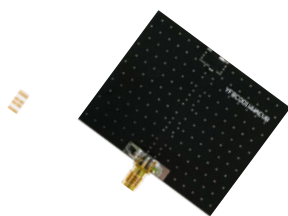
PCB chip

Mounting type

SMT

Operation temperature

–40°C to +85°C



YFBC001WWA

Wi-Fi SMT mount ceramic chip loop embedded antenna

EVB

YFBC001WWAEVB

Compliant

RoHS & REACH

Electrical data

Frequency range
Efficiency
Peak gain
Radiation pattern
Polarization

2400–2500 MHz, 5150–5850 MHz, 5925–7125 MHz
25%–65%
2.3 dBi
omni-directional
Linear

Mechanical data

Dimensions
Form factor
Mounting type
Operation temperature

Antenna: 1.6 × 0.8 × 0.4 mm, EVB: 60 × 50 × 1 mm
Ceramic chip
SMT
–40°C to +85°C



YF0011KA

Wi-Fi adhesive mount FPC + cable dipole embedded antenna
Compatible with Japan market

Compliant

RoHS & REACH

Electrical data

Frequency range
Efficiency
Peak gain
Radiation pattern
Polarization

2400–2500 MHz, 5150–5850 MHz
60%–80%
3.3 dBi
omni-directional
Linear

Mechanical data

Dimensions
Form factor
Mounting type
Connector type
Cable type
Cable length
Operation temperature

38.9 × 9 mm
FPC + cable
Adhesive
IPEX MHF1
RF1.13
50.5 mm
–40°C to +85°C



YF0011SA

Wi-Fi adhesive mount FPC + cable dipole embedded antenna

Compliant

RoHS

Electrical data

Frequency range
Efficiency
Peak gain
Radiation pattern
Polarization

2400–2500 MHz, 5150–5850 MHz
40%–75%
3.1 dBi
omni-directional
Linear

Mechanical data

Dimensions
Form factor
Mounting type
Connector type
Cable type
Cable length
Operation temperature

38.9 × 9 mm
FPC + cable
Adhesive
IPEX MHF4L
RF1.13
100 mm
–40°C to +85°C



YF0026AA

Wi-Fi adhesive mount FPC + cable PIFA
embedded antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	2400–2500 MHz, 5150–5850 MHz, 5925–7125 MHz
Efficiency	50%–80%
Peak gain	6.9 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	28.9 × 11 mm
Form factor	FPC + cable
Mounting type	Adhesive
Connector type	IPEX MHF1
Cable type	RF1.37
Cable length	100 mm
Operation temperature	–40°C to +85°C



YF0026LA

Wi-Fi adhesive mount FPC + cable PIFA
embedded antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	2400–2500 MHz, 5150–5850 MHz, 5925–7125 MHz
Efficiency	50%–80%
Peak gain	5.2 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	28.9×11 mm
Form factor	FPC + cable
Mounting type	Adhesive
Connector type	IPEX MHF4L
Cable type	RF1.13
Cable length	100 mm
Operation temperature	–40°C to +85°C



YF0027AA

Wi-Fi adhesive mount FPC + cable PIFA
embedded antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	2400–2500 MHz, 5150–5850 MHz, 5925–7125 MHz
Efficiency	45%–85%
Peak gain	6.4 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	38 × 7 mm
Form factor	FPC + cable
Mounting type	Adhesive
Connector type	IPEX MHF1
Cable type	RF1.37
Cable length	100 mm
Operation temperature	–40°C to +85°C



YF0027CA

Wi-Fi adhesive mount FPC + cable PIFA
embedded antenna

Compliant

RoHS

Electrical data

Frequency range	2400–2500 MHz, 5150–5850 MHz, 5925–7125 MHz
Efficiency	35%~70%
Peak gain	5.1 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	38×7 mm
Form factor	FPC + cable
Mounting type	Adhesive
Connector type	IPEX MHF4L
Cable type	RF1.13
Cable length	100 mm
Operation temperature	–40°C to +85°C



YF0029AA

Wi-Fi adhesive mount FPC + cable PIFA
embedded antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	2400–2500 MHz, 5150–5850 MHz, 5925–7125 MHz
Efficiency	40%–80%
Peak gain	7.7 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	29.98×30.85 mm
Form factor	FPC + cable
Mounting type	Adhesive
Connector type	IPEX MHF1
Cable type	RF1.37
Cable length	100 mm
Operation temperature	–40°C to +85°C



YF0029CA

Wi-Fi adhesive mount FPC + cable PIFA
embedded antenna

Compliant

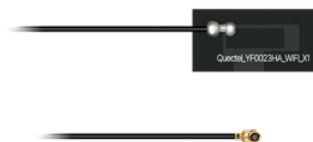
RoHS & REACH

Electrical data

Frequency range	2400–2500 MHz, 5150–5850 MHz, 5925–7125 MHz
Efficiency	40%–75%
Peak gain	6.7 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	29.98 × 30.85 mm
Form factor	FPC + cable
Mounting type	Adhesive
Connector type	IPEX MHF4L
Cable type	RF1.13
Cable length	100 mm
Operation temperature	–40°C to +85°C



YF0023HA

Wi-Fi adhesive mount FPC + cable monopole embedded antenna

Compliant

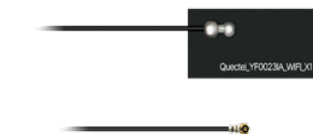
RoHS & REACH

Electrical data

Frequency range	2400–2500 MHz, 4900–5850 MHz, 5925–7125 MHz
Efficiency	45%–80%
Peak gain	6.5 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	22.7×11.9 mm
Form factor	FPC + cable
Mounting type	Adhesive
Connector type	IPEX MHF1
Cable type	RF1.13
Cable length	100 mm
Operation temperature	–40°C to +85°C



YF0023IA

Wi-Fi adhesive mount FPC + cable monopole embedded antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	2400–2500 MHz, 4900–5850 MHz, 5925–7125 MHz
Efficiency	45%–85%
Peak gain	5.6 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	22.7×11.9 mm
Form factor	FPC + cable
Mounting type	Adhesive
Connector type	IPEX MHF4L
Cable type	RF1.13
Cable length	100 mm
Operation temperature	–40°C to +85°C



YF0023FA

Wi-Fi adhesive mount FPC + cable monopole embedded antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	2400–2500 MHz, 4900–5850 MHz, 5925–7125 MHz
Efficiency	55%–90%
Peak gain	7.2 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	37.8 × 7.5 mm
Form factor	FPC + cable
Mounting type	Adhesive
Connector type	IPEX MHF1
Cable type	RF1.13
Cable length	100 mm
Operation temperature	–40°C to +85°C



YF0023GA

Wi-Fi adhesive mount FPC + cable monopole
embedded antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	2400–2500 MHz, 5150–5850 MHz, 5925–7125 MHz
Efficiency	50%–85%
Peak gain	7.2 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

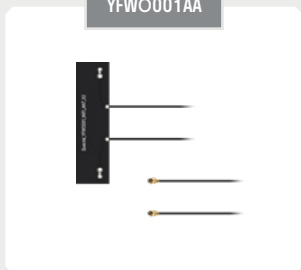
Dimensions	37.8 × 7.5 mm
Form factor	FPC + cable
Mounting type	Adhesive
Connector type	IPEX MHF4L
Cable type	RF1.13
Cable length	100 mm
Operation temperature	–40°C to +85°C

EMBEDDED

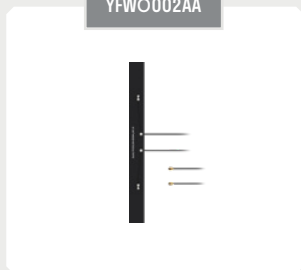
Combo antennas



YFWO001AA

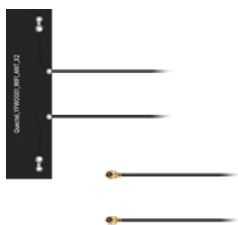


YFWO002AA



YFMA200E3AM





YFWO001AA

Wi-Fi 2in1 adhesive mount combo embedded antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	2400–2500 MHz; 5150–7150 MHz
Efficiency	45%–75%
Peak gain	5.2 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	78.6 × 21.4 mm
Form factor	FPC + cable
Mounting type	Adhesive
Connector type	IPEX MHF1
Cable type	RF1.13
Cable length	100 mm
Operation temperature	–40°C to +85°C



YFCO002AA

5G 2in1 adhesive mount Combo embedded antenna

Compliant

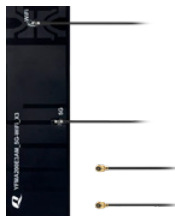
RoHS & REACH

Electrical data

Frequency range	600–6000 MHz
Efficiency	35%–70%
Peak gain	5 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	237 × 22 mm
Form factor	FPC + cable
Mounting type	Adhesive
Connector type	IPEX MHF1
Cable type	RF1.13
Cable length	150 mm
Operation temperature	–40°C to +85°C



YFMA200E3AM

5G & Wi-Fi 2in1 adhesive mount Combo embedded antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	5G × 1: 600–6000 MHz Wi-Fi × 1: 2400–2500 MHz, 5150–5850 MHz, 5925–7125 MHz
Efficiency	5G × 1: 33–76%; Wi-Fi × 1: 47–66%
Peak gain	5G × 1: 5 dBi; Wi-Fi × 1: 3.7 dBi
Radiation pattern	5G × 1: omni-directional; Wi-Fi × 1: omni-directional
Polarization	5G × 1: Linear; Wi-Fi × 1: Linear

Mechanical data

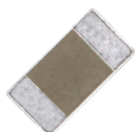
Dimensions	124.2 × 36.4 mm
Form factor	FPC + cable
Mounting type	Adhesive
Connector type	IPEX MHF1
Cable type	RF1.13
Cable length	125 mm
Operation temperature	–40°C to +85°C

EMBEDDED

GNSS antennas



YC0013AA



YPGS001AA



YFGA003AA



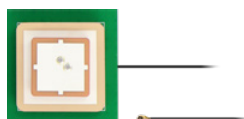
YFGC025WWC



YFGC233WWA



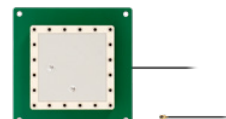
YFGC007E3A



YFGN000H1AC



YFTA009E3AM



For more information please visit Quectel.com



YC0013AA

GNSS L1 SMT mount ceramic chip passive embedded antenna

EVB

YC0013AAEVB

Compliant

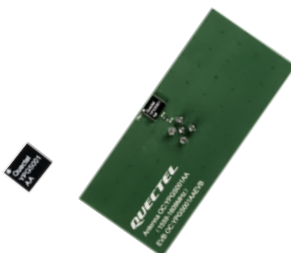
RoHS & REACH

Electrical data

Frequency range	1559–1606 MHz
Efficiency	55%–65%
Peak gain	0.8 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	Antenna: 3.2 × 1.6 × 0.6 mm, EVB: 90 × 50 mm
Form factor	Ceramic chip
Mounting type	SMT
Operation temperature	–40°C to +85°C



YPGS001AA

GNSS L1 SMT mount PCB chip passive embedded antenna

EVB

YPGS001AAEVB

Compliant

RoHS & REACH

Electrical data

Frequency range	1559–1606 MHz
Efficiency	51%–54%
Peak gain	1.7 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	Antenna: 7 × 5.8 × 0.8 mm, EVB: 80 × 35 × 0.8 mm
Form factor	PCB chip
Mounting type	SMT
Operation temperature	–40°C to +85°C



YCGS010AA

GNSS L1 & L2 & L5 & E6 SMT mount ceramic chip passive embedded antenna

EVB

YCGS010AAEVB

Compliant

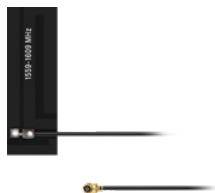
RoHS & REACH

Electrical data

Frequency range	1164–1300 MHz, 1565–1586 MHz
Efficiency	L2/L5/E6/B3: 42%–50%, L1: 70%–74%
Peak gain	L2/L5/E6/B3: 1.3 dBi, L1: 2.2 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	Antenna: 5 × 3 × 0.5 mm, EVB: 80 × 40 mm
Form factor	Ceramic chip
Mounting type	SMT
Operation temperature	–40°C to +85°C



YFGA003AA

GNSS L1 cable passive FPC + cable passive embedded antenna

Compliant

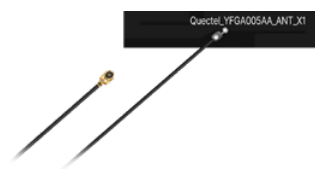
RoHS & REACH

Electrical data

Frequency range	1559–1606 MHz
Efficiency	53%–55%
Peak gain	1.6 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	39.45 × 13.25 mm
Form factor	FPC + cable
Mounting type	Adhesive
Connector type	RF1
Cable type	RF1.13
Cable length	100 mm
Operation temperature	–40°C to +85°C



YFGA005AA

GNSS L1 adhesive mount FPC + cable passive embedded antenna

Compliant

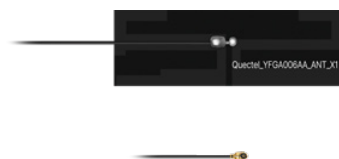
RoHS & REACH

Electrical data

Frequency range	1559–1606 MHz
Efficiency	60%–65%
Peak gain	3 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	61.15 × 11.24 mm
Form factor	FPC + cable
Mounting type	Adhesive
Connector type	IPEX MHF1
Cable type	RF1.13
Cable length	100.5 mm
Operation temperature	–40°C to +85°C



YFGA006AA

GNSS L1 & L2 & L5 & E6 adhesive mount FPC + cable passive embedded antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	1164–1300 MHz, 1559–1606 MHz
Efficiency	40%–75%
Peak gain	3.9 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	74.5 × 24.5 mm
Form factor	FPC + cable
Mounting type	Adhesive
Connector type	IPEX MHF1
Cable type	RF1.13
Cable length	143 mm
Operation temperature	–40°C to +85°C



YFGC009WWA

GNSS L1 SMT mount ceramic patch passive embedded antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	1559–1606 MHz
Efficiency	23%–57%
Peak gain	0.9 dBi
Radiation pattern	Directional
Polarization	RHCP

Mechanical data

Dimensions	15 × 15 × 4 mm
Form factor	Ceramic patch
Mounting type	SMT
Operation temperature	–40°C to +85°C



YFGC009WWB

GNSS L1 SMT mount ceramic patch passive embedded antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	1559–1606 MHz
Efficiency	42%–68%
Peak gain	2.1 dBi
Radiation pattern	Directional
Polarization	RHCP

Mechanical data

Dimensions	18 × 18 × 4 mm
Form factor	Ceramic patch
Mounting type	SMT
Operation temperature	–40°C to +85°C



YFGC009WWC

GNSS L1 SMT mount ceramic patch passive embedded antenna

Compliant

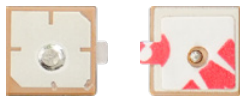
RoHS & REACH

Electrical data

Frequency range	1559–1606 MHz
Efficiency	70%–75%
Peak gain	3.9 dBi
Radiation pattern	Directional
Polarization	RHCP

Mechanical data

Dimensions	25 × 25 × 4 mm
Form factor	Ceramic patch
Mounting type	SMT
Operation temperature	–40°C to +85°C



YFGC010WWA

GNSS L1 adhesive & soldering mount ceramic patch passive embedded antenna

Compliant

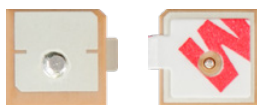
RoHS & REACH

Electrical data

Frequency range	1559-1606 MHz
Efficiency	20%-33%
Peak gain	0.1 dBi
Radiation pattern	Directional
Polarization	RHCP

Mechanical data

Dimensions	10.2 × 10.2 × 4 mm
Form factor	Ceramic patch
Mounting type	Adhesive & soldering
Operation temperature	-40°C to +85°C



YFGC012WWA

GNSS L1 adhesive & soldering mount ceramic patch passive embedded antenna

Compliant

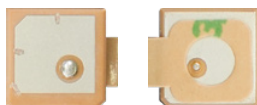
RoHS & REACH

Electrical data

Frequency range	1559-1606 MHz
Efficiency	20%-37%
Peak gain	-2.4 dBi
Radiation pattern	Directional
Polarization	RHCP

Mechanical data

Dimensions	12 × 12 × 4 mm
Form factor	Ceramic patch
Mounting type	Adhesive & Soldering
Operation temperature	-40°C to +85°C



YFGC012WWB

GNSS L1 adhesive & soldering mount ceramic patch passive embedded antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	1559-1606 MHz
Efficiency	28%-30%
Peak gain	-1 dBi
Radiation pattern	Directional
Polarization	RHCP

Mechanical data

Dimensions	12 × 12 × 4 mm
Form factor	Ceramic patch
Mounting type	Adhesive & soldering
Operation temperature	-40°C to +85°C



YFGC015WWA

GNSS L1 adhesive & soldering mount ceramic patch passive embedded antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	1559–1606 MHz
Efficiency	25%–65%
Peak gain	2.1 dBi
Radiation pattern	Directional
Polarization	RHCP

Mechanical data

Dimensions	15 × 15 × 4 mm
Form factor	Ceramic patch
Mounting type	Adhesive & soldering
Operation temperature	–40°C to +85°C



YFGC015WWB

GNSS L1 adhesive & soldering mount ceramic patch passive embedded antenna

Compliant

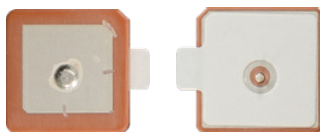
RoHS & REACH

Electrical data

Frequency range	1559–1606 MHz
Efficiency	35%–60%
Peak gain	1.8 dBi
Radiation pattern	Directional
Polarization	RHCP

Mechanical data

Dimensions	15 × 15 × 4mm
Form factor	Ceramic patch
Mounting type	Adhesive & soldering
Operation temperature	–40°C to +85°C



YFGC018WWA

GNSS L1 adhesive & soldering mount ceramic patch passive embedded antenna

Compliant

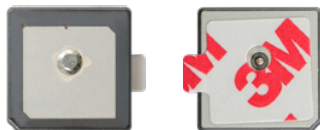
RoHS & REACH

Electrical data

Frequency range	1559–1606 MHz
Efficiency	32%–68%
Peak gain	2.3 dBi
Radiation pattern	Directional
Polarization	RHCP

Mechanical data

Dimensions	18 × 18 × 4 mm
Form factor	Ceramic patch
Mounting type	Adhesive & soldering
Operation temperature	–40°C to +85°C



YFGC020WWA

GNSS L1 adhesive & soldering mount ceramic patch passive embedded antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	1559–1606 MHz
Efficiency	25%–70%
Peak gain	2.9 dBi
Radiation pattern	Directional
Polarization	RHCP

Mechanical data

Dimensions	20 × 20 × 4 mm
Form factor	Ceramic patch
Mounting type	Adhesive & soldering
Operation temperature	–40°C to +85°C



YFGC025WWC

GNSS L1 adhesive & soldering mount ceramic patch passive embedded antenna

Compliant

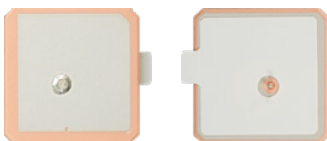
RoHS & REACH

Electrical data

Frequency range	1559–1606 MHz
Efficiency	60%–80%
Peak gain	3.6 dBi
Radiation pattern	Directional
Polarization	RHCP

Mechanical data

Dimensions	25 × 25 × 4 mm
Form factor	Ceramic patch
Mounting type	Adhesive & soldering
Operation temperature	–40°C to +85°C



YFGC025WWD

GNSS L1 adhesive & soldering mount ceramic patch passive embedded antenna

Compliant

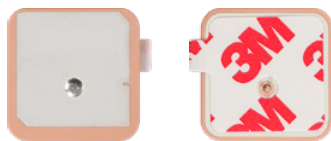
RoHS & REACH

Electrical data

Frequency range	1559–1606 MHz
Efficiency	50%–80%
Peak gain	3.6 dBi
Radiation pattern	Directional
Polarization	RHCP

Mechanical data

Dimensions	25 × 25 × 4 mm
Form factor	Ceramic patch
Mounting type	Adhesive & soldering
Operation temperature	–40°C to +85°C



YFGC025WWA

GNSS L1 adhesive & soldering mount ceramic patch passive embedded antenna

Compliant

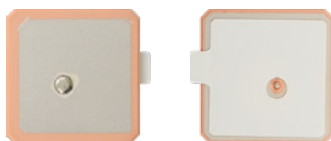
RoHS & REACH

Electrical data

Frequency range	1559–1606 MHz
Efficiency	30%–58%
Peak gain	0.8 dBi
Radiation pattern	Directional
Polarization	RHCP

Mechanical data

Dimensions	25 × 25 × 2 mm
Form factor	Ceramic patch
Mounting type	Adhesive & soldering
Operation temperature	–40°C to +85°C



YFGC025WWB

GNSS L1 adhesive & soldering mount ceramic patch passive embedded antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	1559–1606 MHz
Efficiency	23%–60%
Peak gain	2.1 dBi
Radiation pattern	Directional
Polarization	RHCP

Mechanical data

Dimensions	25 × 25 × 2 mm
Form factor	Ceramic patch
Mounting type	Adhesive & soldering
Operation temperature	–40°C to +85°C



YFGC225WWA

GNSS L1 & L5 adhesive & soldering mount ceramic patch passive embedded antenna with 2 pins

Compliant

RoHS & REACH

Electrical data

Frequency range	1164–1189 MHz, 1559–1606 MHz
Efficiency	L1: 55%–59%, L5: 50%–53%
Peak gain	L1: 1.2 dBi, L5: 1.1 dBi
Radiation pattern	Directional
Polarization	RHCP

Mechanical data

Dimensions	25 × 25 × 4 + 18 × 18 × 4 mm
Form factor	Ceramic patch
Mounting type	Adhesive & soldering
Operation temperature	–40°C to +85°C



YFGC000WWAM

GNSS L1 & L5 adhesive & soldering mount ceramic patch passive embedded antenna with 1 pin

Compliant

RoHS & REACH

Electrical data

Frequency range
Efficiency
Peak gain
Radiation pattern
Polarization

1164-1189 MHz, 1559-1606 MHz
L1: 65%, L5: 44%
L1: 0.58 dBi, L5: -0.31 dBi
Directional
RHCP

Mechanical data

Dimensions
Form factor
Mounting type
Operation temperature

25 × 25 × 4 + 18 × 18 × 4 mm
Ceramic patch
Adhesive & soldering
-40°C to +85°C



YFGC041WWAM

GNSS L1 & L5 adhesive & soldering mount ceramic patch passive embedded antenna

Compliant

RoHS & REACH

Electrical data

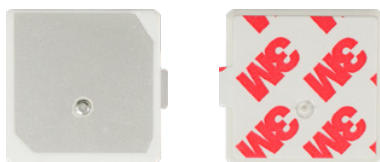
Frequency range
Efficiency
Peak gain
Radiation pattern
Polarization

1164-1189 MHz, 1559-1606 MHz
L1: 39.2%, L5: 23.4%
L1: -0.6 dBi, L5: -2.5 dBi
Directional
RHCP

Mechanical data

Dimensions
Form factor
Mounting type
Operation temperature

25 × 25 × 2 + 18 × 18 × 2 mm
Ceramic patch
Adhesive & soldering
-40°C to +85°C



YFGC035WWA

GNSS L1 adhesive & soldering mount ceramic patch passive embedded antenna

Compliant

RoHS & REACH

Electrical data

Frequency range
Efficiency
Peak gain
Radiation pattern
Polarization

1559-1606 MHz
72%-82%
4.4 dBi
Directional
RHCP

Mechanical data

Dimensions
Form factor
Mounting type
Operation temperature

35 × 35 × 4 mm
Ceramic patch
Adhesive & soldering
-40°C to +85°C



YFGC035WWB

GNSS L1 adhesive & soldering mount ceramic patch passive embedded antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	1559–1606 MHz
Efficiency	78%–83%
Peak gain	3.6 dBi
Radiation pattern	Directional
Polarization	RHCP

Mechanical data

Dimensions	35 × 35 × 6 mm
Form factor	Ceramic patch
Mounting type	Adhesive & soldering
Operation temperature	–40°C to +85°C



YFGC035WWC

GNSS L1 adhesive & soldering mount ceramic patch passive embedded antenna

Compliant

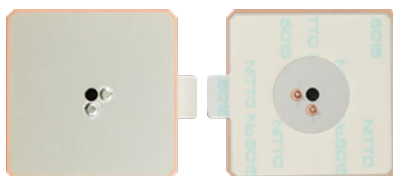
RoHS & REACH

Electrical data

Frequency range	1559–1606 MHz
Efficiency	63%–69%
Peak gain	3.8 dBi
Radiation pattern	Directional
Polarization	RHCP

Mechanical data

Dimensions	35 × 35 × 6 mm
Form factor	Ceramic patch
Mounting type	Adhesive & soldering
Operation temperature	–40°C to +85°C



YFGC040WWA

GNSS L1 adhesive & soldering mount ceramic patch passive embedded antenna

Compliant

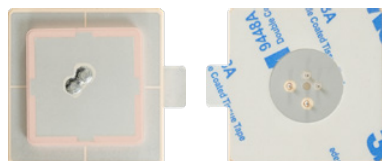
RoHS & REACH

Electrical data

Frequency range	1559–1606 MHz
Efficiency	66%–73%
Peak gain	4.3 dBi
Radiation pattern	Directional
Polarization	RHCP

Mechanical data

Dimensions	40 × 40 × 4 mm
Form factor	Ceramic patch
Mounting type	Adhesive & soldering
Operation temperature	–40°C to +85°C



YFGC238WWA

GNSS L1 & L5 adhesive & soldering mount
ceramic patch passive embedded antenna

Compliant

RoHS & REACH

Electrical data

Frequency range
Efficiency
Peak gain
Radiation pattern
Polarization

1164-1189 MHz, 1559-1606 MHz
L1: 45%-63%, L5: 40%-50%
L1: 3.9 dBi, L5: 1.4 dBi
Directional
RHCP

Mechanical data

Dimensions
Form factor
Mounting type
Operation temperature

38 × 38 × 6 + 28 × 28 × 4 mm
Ceramic patch
Adhesive & soldering
-40°C to +85°C



YFGC233WWA

GNSS L1 & L5 adhesive & soldering mount
ceramic patch passive embedded antenna

Compliant

RoHS & REACH

Electrical data

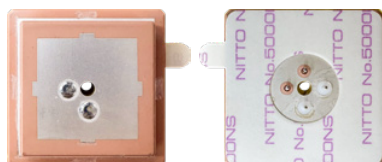
Frequency range
Efficiency
Peak gain
Radiation pattern
Polarization

1164-1189 MHz, 1559-1606 MHz
L1: 45%-60%, L5: 40%-44%
L1: 2.3 dBi, L5: 0.7 dBi
Directional
RHCP

Mechanical data

Dimensions
Form factor
Mounting type
Operation temperature

33 × 33 × 4 + 25 × 25 × 4 mm
Ceramic patch
Adhesive & soldering
-40°C to +85°C



YFGC235WWA

GNSS L1 & L5 adhesive & soldering mount
ceramic patch passive embedded antenna

Compliant

RoHS & REACH

Electrical data

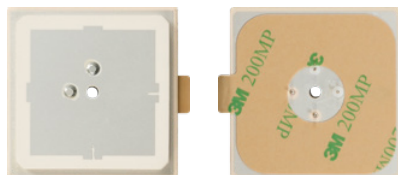
Frequency range
Efficiency
Peak gain
Radiation pattern
Polarization

1164-1189 MHz, 1559-1606 MHz
L1: 44%-53%, L5: 45%-50%
L1: 2.9 dBi, L5: 1.2 dBi
Directional
RHCP

Mechanical data

Dimensions
Form factor
Mounting type
Operation temperature

35 × 35 × 6 + 28 × 28 × 4 mm
Ceramic patch
Adhesive & soldering
-40°C to +85°C



YFGC245WWA

GNSS L1 & L5 adhesive & soldering mount
ceramic patch passive embedded antenna

Compliant

RoHS & REACH

Electrical data

Frequency range
Efficiency
Peak gain
Radiation pattern
Polarization

1164-1189 MHz, 1559-1606 MHz
L1: 45%-60%, L5: 45%-50%
L1: 3.6 dBi, L5: 1 dBi
Directional
RHCP

Mechanical data

Dimensions
Form factor
Mounting type
Operation temperature

45 × 45 × 6 + 40 × 40 × 4 mm
Ceramic patch
Adhesive & soldering
-40°C to +85°C



YFGC245WWB

GNSS L1 & L5 adhesive & soldering mount
ceramic patch passive embedded antenna

Compliant

RoHS & REACH

Electrical data

Frequency range
Efficiency
Peak gain
Radiation pattern
Polarization

1164-1189 MHz, 1559-1606 MHz
L1: 52%-64%, L5: 55%-60%
L1: 4.4 dBi, L5: 2.9 dBi
Directional
RHCP

Mechanical data

Dimensions
Form factor
Mounting type
Operation temperature

45 × 45 × 8 + 40 × 40 × 4 mm
Ceramic patch
Adhesive & soldering
-40°C to +85°C



YFGA010E3BM

GNSS L1 buckle mount ceramic patch +
cable passive embedded antenna

Compliant

RoHS & REACH

Electrical data

Frequency range
Efficiency
Peak gain
Radiation pattern
Polarization

1559-1606 MHz
14%-16%
-4.5 dBi
Directional
RHCP

Mechanical data

Dimensions
Form factor
Mounting type
Connector type
Cable type
Cable length
Operation temperature

10.2 × 10.2 × 7.5 mm
Ceramic patch + cable
Buckle
IPEX MHF1
RF1.13
100 mm
-40°C to +85°C



YFGA012E3BM

GNSS L1 buckle mount ceramic patch + cable passive embedded antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	1559-1606 MHz
Efficiency	36%
Peak gain	-1.7 dBi
Radiation pattern	Directional
Polarization	RHCP

Mechanical data

Dimensions	12 × 12 × 7.5 mm
Form factor	Ceramic patch + cable
Mounting type	Buckle
Connector type	IPEX MHF1
Cable type	RF1.13
Cable length	100 mm
Operation temperature	-40°C to +85°C



YFGA015E3BM

GNSS L1 buckle mount ceramic patch + cable passive embedded antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	1559-1606 MHz
Efficiency	30%-46%
Peak gain	-1 dBi
Radiation pattern	Directional
Polarization	RHCP

Mechanical data

Dimensions	15 × 15 × 7.5 mm
Form factor	Ceramic patch + cable
Mounting type	Buckle
Connector type	IPEX MHF1
Cable type	RF1.13
Cable length	100 mm
Operation temperature	-40°C to +85°C



YFGA018E3BM

GNSS L1 buckle mount ceramic patch + cable passive embedded antenna

Compliant

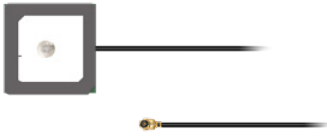
RoHS & REACH

Electrical data

Frequency range	1559-1606 MHz
Efficiency	44%-53%
Peak gain	-0.3 dBi
Radiation pattern	Directional
Polarization	RHCP

Mechanical data

Dimensions	18 × 18 × 7.5 mm
Form factor	Ceramic patch + cable
Mounting type	Buckle
Connector type	IPEX MHF1
Cable type	RF1.13
Cable length	100 mm
Operation temperature	-40°C to +85°C



YFGA020E3BM

GNSS L1 buckle mount ceramic patch + cable passive embedded antenna

Compliant

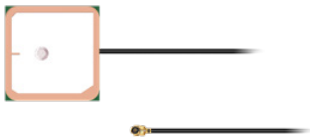
RoHS & REACH

Electrical data

Frequency range	1559-1606 MHz
Efficiency	53.8% ~ 58.7%
Peak gain	0.4 dBi
Radiation pattern	Directional
Polarization	RHCP

Mechanical data

Dimensions	20 × 20 × 7.5 mm
Form factor	Ceramic patch + cable
Mounting type	Buckle
Connector type	IPEX MHF1
Cable type	RF1.13
Cable length	100 mm
Operation temperature	-40°C to +85°C



YFGA025E3DM

GNSS L1 buckle mount ceramic patch + cable passive embedded antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	1559-1606 MHz
Efficiency	65%~74%
Peak gain	0.7 dBi
Radiation pattern	Directional
Polarization	RHCP

Mechanical data

Dimensions	25 × 25 × 7.5 mm
Form factor	Ceramic patch + cable
Mounting type	Buckle
Connector type	IPEX MHF1
Cable type	RF1.13
Cable length	100 mm
Operation temperature	-40°C to +85°C



YFGA025E3BM

GNSS L1 buckle mount ceramic patch + cable passive embedded antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	1559-1606 MHz
Efficiency	47%
Peak gain	-0.4 dBi
Radiation pattern	Directional
Polarization	RHCP

Mechanical data

Dimensions	25 × 25 × 5.5 mm
Form factor	Ceramic patch + cable
Mounting type	Buckle
Connector type	IPEX MHF1
Cable type	RF1.13
Cable length	100 mm
Operation temperature	-40°C to +85°C



YFGA035E3BM

GNSS L1 buckle mount ceramic patch + cable passive embedded antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	1559 - 1606 MHz
Efficiency	75% ~ 81%
Peak gain	1.21 dBi
Radiation pattern	Directional
Polarization	RHCP

Mechanical data

Dimensions	35 × 35 × 7.9 mm
Form factor	Ceramic patch + cable
Mounting type	Buckle
Connector type	IPEX MHF1
Cable type	RF1.13
Cable length	100 mm
Operation temperature	-40°C to +85°C



YFGA035E3DM

GNSS L1 buckle mount ceramic patch + cable passive embedded antenna

Compliant

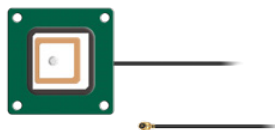
RoHS & REACH

Electrical data

Frequency range	1559-1606 MHz
Efficiency	78% ~ 83%
Peak gain	1.39 dBi
Radiation pattern	Directional
Polarization	RHCP

Mechanical data

Dimensions	35 × 35 × 9.9 mm
Form factor	Ceramic patch + cable
Mounting type	Buckle
Connector type	IPEX MHF1
Cable type	RF1.13
Cable length	100 mm
Operation temperature	-40°C to +85°C



YFGA225E3BM

GNSS L1 & L5 screw mount ceramic patch + cable passive embedded antenna

Compliant

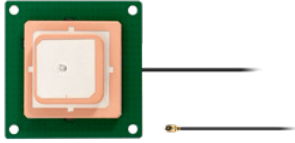
RoHS & REACH

Electrical data

Frequency range	1164-1189 MHz, 1559-1606 MHz
Efficiency	L1: 65%, L5: 44%
Peak gain	L1: 0.6 dBi, L5: -0.3 dBi
Radiation pattern	Directional
Polarization	RHCP

Mechanical data

Dimensions	39 × 39 × 12.1 mm (25 × 25 × 4 + 18 × 18 × 4 mm)
Form factor	Ceramic patch + cable
Mounting type	Screw
Connector type	IPEX MHF1
Cable type	RF1.13
Cable length	100 mm
Operation temperature	-40°C to +85°C



YFGA235E3CM

GNSS L1 & L5 screw mount ceramic patch + cable passive embedded antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	1164-1189 MHz, 1559-1606 MHz
Efficiency	78%
Peak gain	2.69 dBi
Radiation pattern	Directional
Polarization	RHCP

Mechanical data

Dimensions	50 × 50 × 12.2 mm (35 × 35 × 4 + 25 × 25 × 4 mm)
Form factor	Ceramic patch + cable
Mounting type	Screw
Connector type	IPEX MHF1
Cable type	RF1.13
Cable length	100 mm
Operation temperature	-40°C to +85°C



YFGA010E3AM

GNSS L1 buckle mount ceramic patch + cable active embedded antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	1559-1606 MHz
Efficiency	14%-16%
Peak gain	-4.5 dBi
Radiation pattern	Directional
Polarization	RHCP
LNA gain	16 dB

Mechanical data

Dimensions	10.2 × 10.2 × 7.5 mm
Form factor	Ceramic patch + cable
Mounting type	Buckle
Connector type	IPEX MHF1
Cable type	RF1.13
Cable length	100 mm
Operation temperature	-40°C to +85°C



YFGA012E3AM

GNSS L1 buckle mount ceramic patch + cable active embedded antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	1559-1606 MHz
Efficiency	36% AVG.
Peak gain	-1.7 dBi
Radiation pattern	Directional
Polarization	RHCP
LNA gain	16 dB

Mechanical data

Dimensions	12 × 12 × 7.5 mm
Form factor	Ceramic patch + cable
Mounting type	Buckle
Connector type	IPEX MHF1
Cable type	RF1.13
Cable length	100 mm
Operation temperature	-40°C to +85°C



YFGA015E3AM

GNSS L1 buckle mount ceramic patch + cable active embedded antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	1559-1606 MHz
Efficiency	30%-46%
Peak gain	-1 dBi
Radiation pattern	Directional
Polarization	RHCP
LNA gain	16 dB

Mechanical data

Dimensions	15 × 15 × 7.5 mm
Form factor	Ceramic patch + cable
Mounting type	Buckle
Connector type	IPEX MHF1
Cable type	RF1.13
Cable length	100 mm
Operation temperature	-40°C to +85°C



YFGA018E3AM

GNSS L1 buckle mount ceramic patch + cable active embedded antenna

Compliant

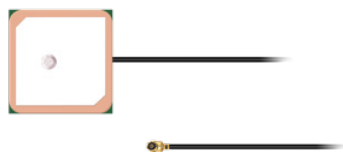
RoHS & REACH

Electrical data

Frequency range	1559-1606 MHz
Efficiency	44%-53%
Peak gain	-0.3 dBi
Radiation pattern	Directional
Polarization	RHCP
LNA gain	16 dB

Mechanical data

Dimensions	18 × 18 × 7.5 mm
Form factor	Ceramic patch + cable
Mounting type	Buckle
Connector type	IPEX MHF1
Cable type	RF1.13
Cable length	100 mm
Operation temperature	-40°C to +85°C



YFGA025E3CM

GNSS L1 buckle mount ceramic patch + cable active embedded antenna

Compliant

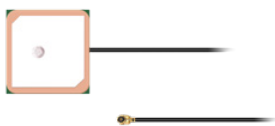
RoHS & REACH

Electrical data

Frequency range	1559-1606 MHz
Efficiency	65%-74%
Peak gain	0.7 dBi
Radiation pattern	Directional
Polarization	RHCP
LNA gain	16 dB

Mechanical data

Dimensions	25 × 25 × 7.5 mm
Form factor	Ceramic patch + cable
Mounting type	Buckle
Connector type	IPEX MHF1
Cable type	RF1.13
Cable length	100 mm
Operation temperature	-40°C to +85°C



YFGA025E3AM

GNSS L1 buckle mount ceramic patch + cable active embedded antenna

Compliant

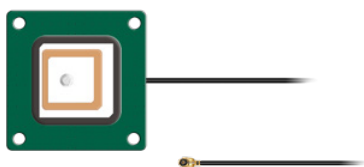
RoHS & REACH

Electrical data

Frequency range	1559-1606 MHz
Efficiency	45%-47%
Peak gain	-0.45 dBi
Radiation pattern	Directional
Polarization	RHCP
LNA gain	16 dB

Mechanical data

Dimensions	25 × 25 × 5.5 mm
Form factor	Ceramic patch + cable
Mounting type	Buckle
Connector type	IPEX MHF1
Cable type	RF1.13
Cable length	100 mm
Operation temperature	-40°C to +85°C



YFGA225E3AM

GNSS L1 & L5 screw mount ceramic patch + cable active embedded antenna

Compliant

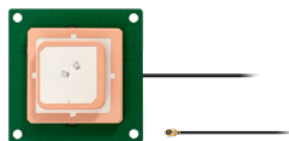
RoHS & REACH

Electrical data

Frequency range	1164-1189 MHz, 1559-1606 MHz
Efficiency	L1: 55%-57%, L5: 35%-39%
Peak gain	L1: -0.2 dBi, L5: -1 dBi
Radiation pattern	Directional
Polarization	RHCP
LNA gain	14 dB

Mechanical data

Dimensions	39 × 39 × 12.1 mm (25 × 25 × 4 + 18 × 18 × 4 mm)
Form factor	Ceramic patch + cable
Mounting type	Screw
Connector type	IPEX MHF1
Cable type	RF1.13
Cable length	100 mm
Operation temperature	-40°C to +85°C



YFGA233E3AM

GNSS L1 & L5 screw mount ceramic patch + cable active embedded antenna

Compliant

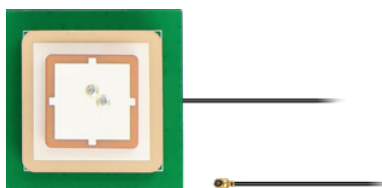
RoHS & REACH

Electrical data

Frequency range	1164-1189 MHz, 1559-1606 MHz
Efficiency	L1: 28-59%, L5: 38.8%
Peak gain	2.64 dBi
Radiation pattern	Directional
Polarization	RHCP
LNA gain	17 dB

Mechanical data

Dimensions	50 × 50 × 12.2 mm (33 × 33 × 4 + 25 × 25 × 4 mm)
Form factor	Ceramic patch + cable
Mounting type	Screw
Connector type	IPEX MHF1
Cable type	RF1.13
Cable length	100 mm
Operation temperature	-40°C to +85°C



YFGC007E3A

GNSS L1 & L5 buckle mount ceramic patch + cable active embedded antenna

Compliant

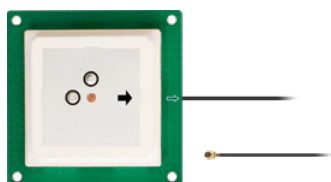
RoHS

Electrical data

Frequency range	1164–1189 MHz, 1559–1606 MHz
Efficiency	L1: 32%–50%, L5: 50%–53%
Peak gain	L1: 1.2 dBi, L5: 1.1 dBi
Radiation pattern	Directional
Polarization	RHCP
LNA gain	17 dB

Mechanical data

Dimensions	50 × 50 × 14.5 mm (38 × 38 × 6 + 25 × 25 × 4 mm)
Form factor	Ceramic patch + cable
Mounting type	Buckle
Connector type	IPEX MHF1
Cable type	RF1.13
Cable length	100 mm
Operation temperature	–40°C to +85°C



YFGA245E3AM

GNSS L1 & L5 screw mount ceramic patch + cable active embedded antenna

Compliant

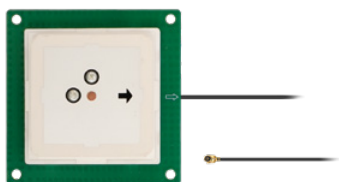
RoHS & REACH

Electrical data

Frequency range	1164–1189 MHz, 1559–1606 MHz
Efficiency	L1: 48.9–74%, L5: 54.9%
Peak gain	2.17 dBi
Radiation pattern	Directional
Polarization	RHCP
LNA gain	17 dB

Mechanical data

Dimensions	59 × 59 × 14.2 mm (45 × 45 × 6 + 40 × 40 × 4 mm)
Form factor	Ceramic patch + Cable
Mounting type	Screw
Connector type	IPEX MHF1
Cable type	RF1.13
Cable length	100 mm
Operation temperature	–40°C to +85°C



YFGA245E3BM

GNSS L2 & L5 screw mount ceramic patch + cable active embedded antenna

Compliant

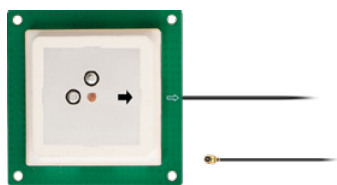
RoHS & REACH

Electrical data

Frequency range	1217–1238 MHz, 1559–1606 MHz
Efficiency	L1: 46%–73%, L2: 58%–61%
Peak gain	L1: 3.5 dBi, L2: 2 dBi
Radiation pattern	Directional
Polarization	RHCP
LNA gain	17 dB

Mechanical data

Dimensions	59 × 59 × 14.2 mm (45 × 45 × 6 + 40 × 40 × 4 mm)
Form factor	Ceramic patch + Cable
Mounting type	Screw
Connector type	IPEX MHF1
Cable type	RF1.13
Cable length	100 mm
Operation temperature	–40°C to +85°C



YFGA245E3CM

GNSS L1 & L2 & L5 screw mount ceramic patch + cable active embedded antenna

Compliant

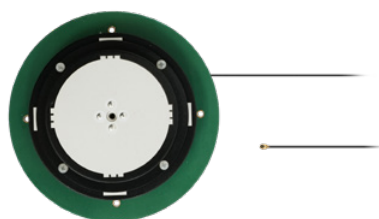
RoHS & REACH

Electrical data

Frequency range	1164–1238 MHz, 1559–1606 MHz
Efficiency	L1: 50%–76%, L2/L5: 28%–35%
Peak gain	L1: 3.6 dBi, L2/L5: –1 dBi
Radiation pattern	Directional
Polarization	RHCP
LNA gain	17 dB

Mechanical data

Dimensions	59 × 59 × 16.2 mm (45 × 45 × 8 + 40 × 40 × 4 mm)
Form factor	Ceramic patch + cable
Mounting type	Screw
Connector type	IPEX MHF1
Cable type	RF1.13
Cable length	100 mm
Operation temperature	–40°C to +85°C



YFGN001H3AM

GNSS full band screw mount PPO patch + cable active embedded antenna

Compliant

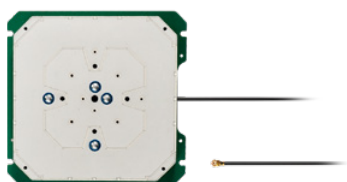
RoHS & REACH

Electrical data

Frequency range	1164–1300 MHz, 1525–1606 MHz
Efficiency	Lower Band: 58%; L-band: 45.2%; Upper Band: 67%
Peak gain	Lower Band: 5.6 dBi; L-band: 3.1 dBi; Upper Band: 5.4 dBi
Radiation pattern	Directional
Polarization	RHCP
LNA gain	40 ±4 dB

Mechanical data

Dimensions	Ø122 × 24.2 mm
Form factor	PPO Patch + cable
Mounting type	Screw
Connector type	IPEX MHF1
Cable type	RF1.13
Cable length	220 mm
Operation temperature	–40°C to +85°C



YFGD000AA

GNSS full band screw mount PPO patch + cable active embedded antenna

Compliant

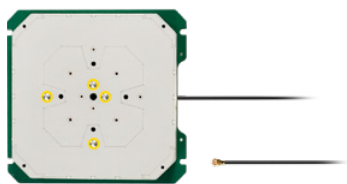
RoHS & REACH & POPS

Electrical data

Frequency range	1164–1300 MHz, 1525–1606 MHz
Efficiency	Lower Band: 50%; L-band: 38%; Upper Band: 53%
Peak gain	Lower Band: 3.7 dBi; L-band: 1.5 dBi; Upper Band: 3.5 dBi
Radiation pattern	Directional
Polarization	RHCP
LNA gain	38 ±4 dB

Mechanical data

Dimensions	78.6 × 75.6 × 16.2 mm
Form factor	PPO Patch + cable
Mounting type	Screw
Connector type	IPEX MHF1
Cable type	RF1.13
Cable length	89 mm
Operation temperature	–40°C to +85°C



YFGD000BA

GNSS L1 & L2 & L5 screw mount PPO patch + cable active embedded antenna

Compliant

RoHS & REACH & POPs

Electrical data

Frequency range	1164–1238 MHz, 1559–1606 MHz
Efficiency	L1: 51.8%–65.1%; L2: 45.7%; L5: 63.2%–71.3%
Peak gain	L1: 1.87 dBi; L2: 2.07 dBi; L5: 2.15 dBi
Radiation pattern	Directional
Polarization	RHCP
LNA gain	38 ±4 dB

Mechanical data

Dimensions	78.6 × 75.6 × 16.2 mm
Form factor	PPO Patch + Cable
Mounting type	Screw
Connector type	IPEX MHF1
Cable type	RF1.37
Cable length	89 mm
Operation temperature	–40°C to +85°C



YFGN000H1AC

GNSS full band screw mount Air Dielectric + cable active embedded antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	1164–1300 MHz, 1525–1606 MHz
Efficiency	Lower Band: 38.8%–54.9%; L-band: 58.5%; Upper Band: 52.9%–65.6%
Peak gain	Lower Band: 5.02 dBi; L-band: 5.02 dBi; Upper Band: 5.54 dBi
Radiation pattern	Directional
Polarization	RHCP
LNA gain	35 ±4 dB

Mechanical data

Dimensions	Ø 122 × 22.5 mm
Form factor	Air Dielectric + Cable
Mounting type	Screw
Connector type	SMA male
Cable type	RG174
Cable length	300 mm
Operation temperature	–40°C to +85°C



YFGN000H1CC

GNSS full band screw mount Air Dielectric + cable active embedded antenna

Compliant

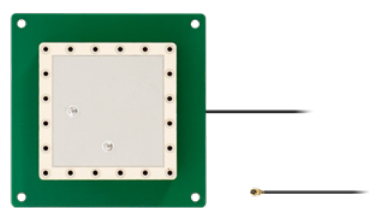
RoHS

Electrical data

Frequency range	1164–1300 MHz, 1559–1606 MHz
Efficiency	55% AVG.
Peak gain	5.7 dBi
Radiation pattern	Directional
Polarization	RHCP
LNA gain	35 ±4 dB

Mechanical data

Dimensions	Ø 122 × 22.5 mm
Form factor	Air Dielectric + Cable
Mounting type	Screw
Connector type	SMA male
Cable type	RG174
Cable length	300 mm
Operation temperature	–40°C to +85°C



YFTA009E3AM

L-Band & GNSS L1 & iridium screw mount
ceramic patch + cable passive
embedded antenna

Compliant

RoHS & REACH

Electrical data

Frequency range

Efficiency

Peak gain

Radiation pattern

Polarization

GNSS: 1559–1606 MHz,
L-Band: 1518–1559 MHz,1626–1660 MHz,1668–1675 MHz
Iridium: 1616–1626.5 MHz
GNSS: 75%-80%, L-Band: 60%-91%, Iridium: 87%
GNSS: 5.3 dBi, L-Band: 5.6 dBi, Iridium: 2.38 dBi
Directional
RHCP

Mechanical data

Dimensions

Form factor

Mounting type

Connector type

Cable type

Cable length

Operation temperature

80 × 80 × 13.3 mm (50 × 50 × 10 mm)
Ceramic patch + cable
Screw
IPEX MHF1
RF1.13
100 mm
–40°C to +85°C

EMBEDDED

LPWA/ISM antennas



YCIS002AA



YCIS003AA



YSIS001AA



YPCS002AA



YMCP003AA



YFOA004AA

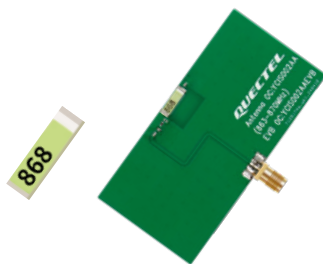


YFNF915F3AM



YFNF868F3AM





YCIS002AA

LPWA/ISM SMT mount ceramic chip IFA embedded antenna

EVB

YCIS002AAEVB

Compliant

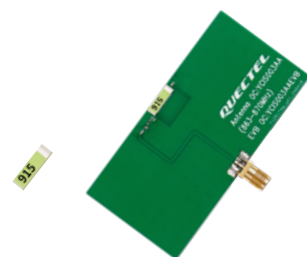
RoHS

Electrical data

Frequency range	863–870 MHz
Efficiency	40%~60%
Peak gain	0.7 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	Antenna: 10 × 3.2 × 0.5 mm, EVB: 80 × 40 mm
Form factor	Ceramic chip
Mounting type	SMT
Operation temperature	–40°C to +85°C



YCIS003AA

LPWA/ISM SMT mount ceramic chip IFA embedded antenna

EVB

YCIS003AAEVB

Compliant

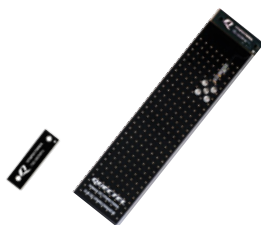
RoHS

Electrical data

Frequency range	902–928 MHz
Efficiency	35%~70%
Peak gain	1 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	Antenna: 10 × 3.2 × 0.5 mm, EVB: 80 × 40 mm
Form factor	Ceramic chip
Mounting type	SMT
Operation temperature	–40°C to +85°C



YFNP017WWA

LPWA/ISM SMT mount PCB chip monopole embedded antenna

EVB

YFNP017WWAEVB

Compliant

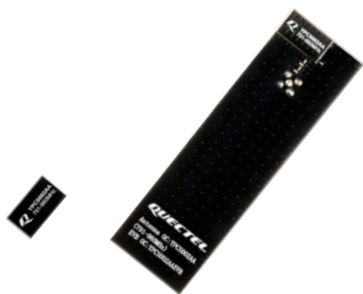
RoHS & REACH

Electrical data

Frequency range	790–960 MHz
Efficiency	40%~60%
Peak gain	0.5 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	Antenna: 25 × 7 × 3 mm, EVB: 105.53 × 25 × 0.8 mm
Form factor	PCB chip
Mounting type	SMT
Operation temperature	–40°C to +85°C



YPCS002AA

LPWA/ISM SMT mount PCB chip monopole embedded antenna

EVB

YPCS002AAEVB

Compliant

RoHS & REACH

Electrical data

Frequency range	791–960 MHz
Efficiency	20%–35%
Peak gain	1.2 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	Antenna: 20 × 11 × 1.6 mm, EVB: 115 × 35 × 0.8 mm
Form factor	PCB chip
Mounting type	SMT
Operation temperature	–40°C to +85°C



YFNP002WWAM

LPWA/ISM SMT mount PCB chip monopole embedded antenna

EVB

YFNP002WWAMEVB

Compliant

RoHS & REACH

Electrical data

Frequency range	433–435 MHz
Efficiency	0.158
Peak gain	–4.9dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	Antenna: 17 × 4 × 1.5mm, EVB: 197.7 × 92 × 1mm
Form factor	PCB Chip
Mounting type	SMT
Operation temperature	–40°C to +85°C



YSIS001AA

LPWA/ISM SMT mount spring + holder monopole embedded antenna

EVB

YSIS001AAEVBAA

Compliant

RoHS & REACH & TSCA

Electrical data

Frequency range	412–427 MHz, 433–435 MHz, 450–470 MHz
Efficiency	25% AVG.
Peak gain	0.4 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	Antenna: 30 × 7 × 7 mm, EVB: 185 × 90 × 1 mm
Form factor	Spring + holder
Mounting type	SMT
Operation temperature	–40°C to +85°C



YMCP003AA

LPWA/ISM SMT mount sheet metal PIFA embedded antenna

EVB

YMCP003AAEVBAA

Compliant

RoHS & REACH

Electrical data

Frequency range	790–960 MHz
Efficiency	60%–70%
Peak gain	1.1 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	Antenna: 40.99 × 6.68 × 3.99 mm, EVB: 135 × 45 mm
Form factor	Sheet metal
Mounting type	SMT
Operation temperature	–40°C to +85°C



YFNF915F3AM

LPWA/ISM adhesive mount FPC + cable dipole embedded antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	915 MHz
Efficiency	70%–73%
Peak gain	2.5 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	120.2 × 25 mm
Form factor	FPC + cable
Mounting type	Adhesive
Connector type	IPEX MHF 1
Cable type	RF1.13
Cable length	150 mm
Operation temperature	–40°C to +85°C



YFNF868F3AM

LPWA/ISM adhesive mount FPC + cable PIFA embedded antenna

Compliant

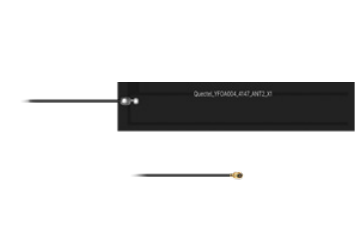
RoHS & REACH

Electrical data

Frequency range	868 MHz
Efficiency	65%–70%
Peak gain	1.3 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	70 × 40 mm
Form factor	FPC + cable
Mounting type	Adhesive
Connector type	IPEX MHF 1
Cable type	RF1.13
Cable length	150 mm
Operation temperature	–40°C to +85°C



YFOA004AA

LPWA/ISM adhesive mount FPC + cable
monopole embedded antenna

Compliant

RoHS & REACH

Electrical data

Frequency range	410~470 MHz
Efficiency	45%~54%
Peak gain	0.2 dBi
Radiation pattern	omni-directional
Polarization	Linear

Mechanical data

Dimensions	100×20 mm
Form factor	FPC + cable
Mounting type	Adhesive
Connector type	IPEX MHF1
Cable type	RF1.13
Cable length	100 mm
Operation temperature	-40°C to +85°C



Product Name

DC~6 GHz SMA female to IPEX MHF1 cable with an O-ring

Compliant

RoHS

Electrical data

Frequency range

DC~6 GHz

Mechanical data

Connector type1

SMA female

Connector type2

IPEX MHF1

Cable type

RF1.13

Operation temperature

-40°C to +80°C

OC

YSAN025AA

Cable length

100 mm

YSAN025BA

150 mm

YSAN025CA

200 mm

YSAN025DA

250 mm

YSAN025EA

300 mm



Product Name

DC~6 GHz RP SMA female to IPEX MHF1 cable with an O-ring

Compliant

RoHS

Electrical data

Frequency range

DC~6 GHz

Mechanical data

Connector type1

RP SMA female

Connector type2

IPEX MHF1

Cable type

RF1.13

Operation temperature

-20°C to +85°C

OC

YSAN026AA

Cable length

100 mm

YSAN026BA

150 mm

YSAN026CA

200 mm

YSAN026DA

250 mm

YSAN026EA

300 mm



Product Name

DC~6 GHz SMA female to IPEX MHF4L cable with an O-ring

Compliant

RoHS

Electrical data

Frequency range

DC~6 GHz

Mechanical data

Connector type1

SMA female

Connector type2

IPEX MHF4L

Cable type

RF1.13

Operation temperature

-40°C to +80°C

OC

YSAN027AA

Cable length

100 mm

YSAN027BA

150 mm

YSAN027CA

200 mm

YSAN027DA

250 mm

YSAN027EA

300 mm



Product Name

DC~6 GHz SMA female to IPEX MHF4L cable

Compliant

RoHS

Electrical data

Frequency range

DC~6 GHz

Mechanical data

Connector type1

SMA female

Connector type2

IPEX MHF4L

Cable type

RF1.13

Operation temperature

-40°C to +80°C

OC

YSAN027FA

Cable length

150 mm

YSAN027GA

200 mm

YSAN027HA

250 mm

YSAN027IA

300 mm

YSAN027JA

500 mm



Product Name

DC~6 GHz RP SMA female to IPEX MHF4L cable with an O-ring

Compliant

RoHS

Electrical data

Frequency range

DC~6 GHz

Mechanical data

Connector type1

RP SMA female

Connector type2

IPEX MHF4L

Cable type

RF1.13

Operation temperature

-40°C to +80°C

OC

YSAN028AA

Cable length

100 mm

YSAN028BA

150 mm

YSAN028CA

200 mm

YSAN028DA

250 mm

YSAN028EA

300 mm



Product Name

DC~6 GHz RP SMA female to IPEX MHF4L cable

Compliant

RoHS

Electrical data

Frequency range

DC~6 GHz

Mechanical data

Connector type1

RP SMA female

Connector type2

IPEX MHF4L

Cable type

RF1.13

Operation temperature

-40°C to +80°C

OC

YSAN028FA

Cable length

100 mm

YSAN028GA

150 mm

YSAN028HA

200 mm

YSAN028IA

250 mm

YSAN028JA

300 mm



Product Name

DC~6 GHz SMA male to
SMA female cable with
LMH mark

Compliant

RoHS & REACH

Electrical data

Frequency range DC~6 GHz

Mechanical data

Connector type1 SMA male

Connector type2 SMA female

Cable type ALSR200

Operation temperature -40°C to +85°C

OC

Cable length

YLUX013XQA 700 mm

YLUX013XQD 1700 mm

YLUX013XQG 2700 mm

YLUX013XQK 4700 mm



Product Name

DC~6 GHz SMA male to
SMA female cable with
MH mark

Compliant

RoHS & REACH

Electrical data

Frequency range DC~6 GHz

Mechanical data

Connector type1 SMA male

Connector type2 SMA female

Cable type ALSR200

Operation temperature -40°C to +85°C

OC

Cable length

YLUX013XQB 700 mm

YLUX013XQE 1700 mm

YLUX013XQH 2700 mm

YLUX013XQL 4700 mm



Product Name

DC~6 GHz SMA male to
SMA female cable with
Wi-Fi mark

Compliant

RoHS & REACH

Electrical data

Frequency range DC~6 GHz

Mechanical data

Connector type1 SMA male

Connector type2 SMA female

Cable type ALSR200

Operation temperature -40°C to +85°C

OC

Cable length

YLUX013XQC 700 mm

YLUX013XQF 1700 mm

YLUX013XQJ 2700 mm

YLUX013XQM 4700 mm



Product Name

DC~2GHz SMA male to
SMA female cable with
GNSS mark

Compliant

RoHS & REACH

Electrical data

Frequency range DC~2 GHz

Mechanical data

Connector type1 SMA male

Connector type2 SMA female

Cable type RG174

Operation temperature -40°C to +85°C

OC

Cable length

YLUX013XQN 700 mm

YLUX013XQP 1700 mm

YLUX013XQQ 2700 mm

YLUX013XQR 4700 mm



Product Name

DC~6 GHz SMA male to
SMA female cable with
LMH mark

Compliant

RoHS & REACH

Electrical data

Frequency range DC~6 GHz

Mechanical data

Connector type1 SMA male

Connector type2 SMA female

Cable type ALS302

Operation temperature -40°C to +85°C

OC

Cable length

YLUX016XQA 700 mm

YLUX016XQD 1700 mm

YLUX016XQG 2700 mm

YLUX016XQK 4700 mm



Product Name

DC~6 GHz SMA male to
SMA female cable with
MH mark

Compliant

RoHS & REACH

Electrical data

Frequency range DC~6 GHz

Mechanical data

Connector type1 SMA male

Connector type2 SMA female

Cable type ALS302

Operation temperature -40°C to +85°C

OC

Cable length

YLUX016XQB 700 mm

YLUX016XQE 1700 mm

YLUX016XQH 2700 mm

YLUX016XQL 4700 mm



Product Name

DC~6 GHz SMA male to
SMA female cable with
Wi-Fi mark

Compliant

RoHS & REACH

Electrical data

Frequency range DC~6 GHz

Mechanical data

Connector type1 SMA male

Connector type2 SMA female

Cable type ALS302

Operation temperature -40°C to +85°C

OC

YLUX016XQC

Cable length

700 mm

YLUX016XQF

1 700 mm

YLUX016XQJ

2 700 mm

YLUX016XQM

4 700 mm



Product Name

DC~6 GHz SMA male to
SMA female cable with
LMH mark

Compliant

RoHS & REACH

Electrical data

Frequency range DC~6 GHz

Mechanical data

Connector type1 SMA male

Connector type2 SMA female

Cable type RG405

Operation temperature -40°C to +85°C

OC

YLUX017XQA

Cable length

700 mm

YLUX017XQD

1 700 mm

YLUX017XQG

2 700 mm

YLUX017XQK

4 700 mm



Product Name

DC~6 GHz SMA male to
SMA female cable with
MH mark

Compliant

RoHS & REACH

Electrical data

Frequency range DC~6 GHz

Mechanical data

Connector type1 SMA male

Connector type2 SMA female

Cable type RG405

Operation temperature -40°C to +85°C

OC

YLUX017XQB

Cable length

700 mm

YLUX017XQE

1 700 mm

YLUX017XQH

2 700 mm

YLUX017XQL

4 700 mm



Product Name

DC~6 GHz SMA male to
SMA female cable with
Wi-Fi mark

Compliant

RoHS & REACH

Electrical data

Frequency range DC~6 GHz

Mechanical data

Connector type1 SMA male

Connector type2 SMA female

Cable type RG405

Operation temperature -40°C to +85°C

OC

YLUX017XQC

Cable length

700 mm

YLUX017XQF

1 700 mm

YLUX017XQJ

2 700 mm

YLUX017XQM

4 700 mm



Product Name

DC~6 GHz fakra female
Code C to SMA female
cable

Compliant

RoHS & REACH

Electrical data

Frequency range DC~6 GHz

Mechanical data

Connector type1 Fakra female Code C

Connector type2 SMA female

Cable type RG174

Operation temperature -40°C to +85°C

OC

YLUX030LLAM

Cable length

700 mm

YLUX031NLAM

1 700 mm

YLUX032QLAM

2 700 mm

YLUX033ULAM

4 700 mm



Product Name

DC~6 GHz fakra female
Code D to SMA female
cable

Compliant

RoHS & REACH

Electrical data

Frequency range DC~6 GHz

Mechanical data

Connector type1 Fakra female Code D

Connector type2 SMA female

Cable type RG174

Operation temperature -40°C to +85°C

OC

YLUX034LLAM

Cable length

700 mm

YLUX035NLAM

1 700 mm

YLUX036QLAM

2 700 mm

YLUX037ULAM

4 700 mm



Product Name

DC~6 GHz fakra female
Code D to SMA female
cable

Compliant

RoHS & REACH

Electrical data

Frequency range

DC~6 GHz

Mechanical data

Connector type1

Fakra female Code D

Connector type2

SMA female

Cable type

ALSR100

Operation temperature

-40°C to +85°C

OC

Cable length

YLUX038LLAM 700 mm

YLUX039NLAM 1 700 mm

YLUX040QLAM 2 700 mm

YLUX041ULAM 4 700 mm



Product Name

DC~6 GHz SMA male to
TNC male cable

Compliant

RoHS & REACH

Electrical data

Frequency range

DC~6 GHz

Mechanical data

Connector type1

SMA male

Connector type2

TNC male

Cable type

RG174

Operation temperature

-40°C to +85°C

OC

Cable length

YEGX000Q1AM 3000 mm



Product Name

DC~6 GHz IPEX MHF1 to
N type female cable

Compliant

RoHS & REACH

Electrical data

Frequency range

DC~6 GHz

Mechanical data

Connector type1

IPEX MHF1

Connector type2

N type female

Cable type

RG178

Operation temperature

-40°C to +80°C

OC

Cable length

YLUN001GQAH 200 mm



Product Name

DC~6 GHz IPEX MHF1 to
TNC male cable

Compliant

RoHS & REACH

Electrical data

Frequency range

DC~6 GHz

Mechanical data

Connector type1

IPEX MHF1

Connector type2

TNC male

Cable type

RG178

Operation temperature

-40°C to +80°C

OC

Cable length

YLUN002GQAH 200 mm



YAXX001XXA

Accessory-Bracket

Compliant

RoHS & REACH

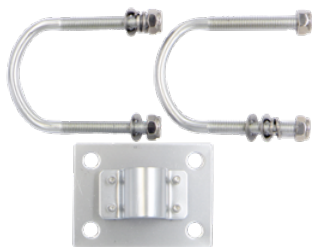
Mechanical data

Dimensions

82.2 × 60.31 × 48 mm

Operation temperature

-40°C to +85°C



YBY00A0IA

Accessory-Bracket

Compliant

RoHS

Mechanical data

Dimensions

80 × 60 × 86 mm

Operation temperature

-20°C to +85°C



YEGM003WWAM

Accessory-Bracket

Compliant

RoHS

Mechanical data

Dimensions

Φ108×123mm

Operation temperature

-40°C to +85°C

Custom antenna design services

In addition to standard products, Quectel also provide full-process customized antenna services. Tailored to your equipment performance requirements and production scenarios, Quectel can design bespoke antenna solutions that cover the entire lifecycle, including performance optimization, structural adaptation, manufacturing, and assembly. These solutions precisely address core challenges such as signal issues and spatial adaptation, helping your equipment achieve superior communication performance and production efficiency.



NFC antenna



NFC antenna



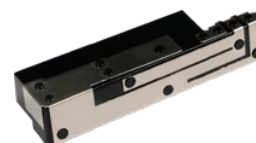
Spring antenna



LDS antenna



Transparent antenna



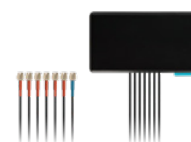
Sheet metal antenna



PCB antenna



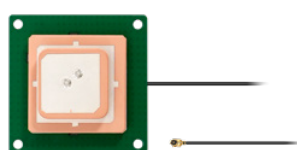
Combo antenna



Combo antenna



Stacked patch antenna



Stacked patch antenna



Fiberglass antenna



Rubber antenna



Cable



Connector



Build a smarter world

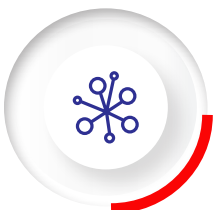


An end-to-end IoT solutions provider with a unique global footprint and unmatched scale



HARDWARE

Our vast portfolio of modules, antennas, EVKs and smart solutions cover every connectivity type and form factor to ensure you find the ideal model for your needs



SOFTWARE

Achieve rapid application development with our modules using simple Python code execution with our flexible OpenCPU solution QuecPython



SERVICES

We offer expert support across the development cycle - from antenna and RTK support to security, testing, certification, ODM and manufacturing

For more information please visit [Quectel.com](https://www.quectel.com)

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Ireland: Navan
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Serbia: Belgrade

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 Houston/Round Rock/San Marcos, TX
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 Scotts Valley/Silicon Valley, CA
 Point Roberts, WA



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Philippines: Manila/Pasay City
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