DATA SHEET

SENCITY® Road IC MIMO Antenna

1399.19.0187

Properties

- Supports 3x3 MIMO for Wi-Fi and ready for Wi-Fi 6E
- Single hole mounting, low profile and vandalism proof.
- Works without metal ground plane
- Supports 3x3 Cellular MIMO in 2.3 / 2.6 / 3.5 GHz bands
- 0.5m of cable and SMA connector
- Supports 3x3 Cellular MIMO in 2.3 / 2.6 / 3.5 GHz bands

Electrical data				
	Band 1	**Band 2**	**Band 3**	**Band 4**
Frequency	2300 MHz ... 2500 MHz	2500 MHz ... 2690 MHz	3400 MHz ... 4200 MHz	4900 MHz ... 5975 MHz
Impedance	50 Ω	50 Ω	50 Ω	50 Ω
VSWR	1.8	1.7	2	1.7
Gain	5 dBi	5 dBi	6 dBi	7 dBi
Isolation between Ports	15 dB	15 dB	17 dB	17 dB
Ambient Temperature	25 °C	25 °C	25 °C	25 °C
Composite Power max	40 W	40 W	40 W	30 W

	Band 5
Frequency	5975 MHz ... 7125 MHz
Impedance	50 Ω
VSWR	1.8
Gain	7 dBi
Isolation between Ports	18 dB
Ambient Temperature	25 °C
Composite Power max	20 W

Ports	
Port name	Cell / WiFi 1 to 3 (white)
Connector	SMA, plug (male)
Cable type	ENVIROFLEX_316_D-AM

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Ports	
Cable length	0.5 m
Polarization	vertical
DC grounded	Yes

Connections	
Port name	Cell / WiFi 1 to 3 (white)
Band 1	✓
Band 2	✓
Band 3	✓
Band 4	✓
Band 5	✓

Mechanical data	
Weight	0.9 kg
Dimensions	33.2 mm x 145 mm (Height x Diameter)
Mounting breakthrough	Ø 30 mm

Material data	
Radome material	Reinforced PC (Polycarbonate)
Radome colour	RAL 7044 (grey)

Environmental data	
Operation temperature	-40 °C ... 85 °C
Storage temperature	-40 °C ... 85 °C
Transport temperature	-40 °C ... 85 °C
Ingress protection (IP Rating)	IP68, IP69
Flammability rating	ECE-R118
Solar radiation	DIN 75220

Environmental remarks
Environmental tests: ISO 16750:2010 CE-Mark

Ordering information		
Item description	Item number	Product name
1399.19.0187	85177502	SENCITY® Road IC MIMO Antenna

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