

SENCITY® SPOT-L Wi-Fi Antenna

1324.17.0112

Properties

- Directional high gain antenna for Wi-Fi or Cellular bands between 2300 and 2700 MHz
- Gain of 15.5 to 18 dBi with Vertical polarisation
- Supports WLAN / Wi-Fi acc. to IEEE 802.11 b/g
- Half power beamwidth of 20° (vertical) and 20° (Horizontal)
- Integrated N female interface

**Electrical data**

	Band 1	Band 2	Band 3	Band 4
Frequency	2300 MHz ... 2400 MHz	2400 MHz ... 2500 MHz	2500 MHz ... 2600 MHz	2600 MHz ... 2700 MHz
Impedance	50 Ω	50 Ω	50 Ω	50 Ω
VSWR	1.7	1.7	1.7	1.7
Gain	15.5 dBi	17 dBi	17.5 dBi	18 dBi
HPBW vertical	20 °	20 °	20 °	20 °
HPBW horizontal	20 °	20 °	20 °	20 °
Front to back ratio	28 dB	28 dB	28 dB	28 dB
Co/Crosspolar Ratio	20 dB	20 dB	20 dB	20 dB
Ambient Temperature	25 °C			
Composite Power max	6 W			

Electrical remarks

Remarks	Side lobes level ETSI EN 301 525 V1.1.1 (2000-06) TS2 Cross polarization ETSI EN 301 525 V1.1.1 (2000-06) TS2 F/B ratio ETSI EN 301 525 V1.1.1 (2000-06) TS2
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Ports

	Port 1
Connector	N, jack (female)
Polarization	vertical
DC grounded	Yes

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Mechanical data	
Weight	1.2 kg
Dimensions	305 mm x 305 mm x 25 mm (Height x Width x Depth)
Windload	front: 263 N at 160 km/h, lateral: 22 N at 160 km/h, Wind Speed survival: 220 km/h

Material data	
Radome material	Plastic
Radome colour	RAL 9002 (grey-white)
Back plate/base plate material	Aluminum

Environmental data	
Operation temperature	-45 °C ... 70 °C
Storage temperature	-45 °C ... 70 °C
Transport temperature	-45 °C ... 70 °C
Environment (application)	Indoor/Outdoor
Ingress protection (IP Rating)	IP67
Flammability rating	UL 94-HB

Environmental remarks	
Humidity ETSI EN300-2-4 T4.1E 144h 95% Solar radiation ASTM G53 1000 h Salt spray IEC 60068-2-11 Ka 500 h Mechanical shock IEC 60721-3-4 4M5 Vibration IEC 60721-3-4 30 min/axis random 4M5 Low temperature IEC 60068-2-1 72h -55°C High temperature IEC 60068-2-2 72h +71°C Temperature cycling IEC 60068-2-14 1h -45 to +70°C 3 cycles	

Antenna accessories		
Item description	Item number	Product name
9091.99.0183	84007205	Planar Antenna Downtilt Bracket

Ordering information		
Item description	Item number	Product name
1324.17.0112	85017308	SENCITY® SPOT-L Wi-Fi Antenna

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