

SENCITY® Spot-L SISO WiFi MIMO Antenna

1354.17.0001

Properties

- Directional high gain antenna for Wi-Fi or Cellular bands between 4900 MHz and 5875 MHz
- Gain of 23 dBi with Vertical polarization
- Half power beamwidth of 9° (vertical) and 9° (horizontal)
- Mounting brackets for wall or pole mounting sold seperately
- Integrated N female interface



Electrical data		
	Band 1	Band 2
Frequency	4900 MHz ... 5150 MHz	5150 MHz ... 5875 MHz
Impedance	50 Ω	50 Ω
VSWR	1.9	1.7
Gain	22 dBi	23 dBi
HPBW vertical	9 °	9 °
HPBW horizontal	9 °	9 °
Front to back ratio	35 dB	35 dB
Ambient Temperature	25 °C	
Composite Power max	6 W	

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

Connections	
	Port 1
Band 1	✓
Band 2	✓

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Mechanical data	
Weight	1.2 kg
Dimensions	305 mm x 305 mm x 15 mm (Height x Width x Depth)
Windload	front: 263 N at 160 km/h, lateral: 13 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
Environment (application)	Indoor/Outdoor
Ingress protection (IP Rating)	IP67
Flammability rating	UL 94-HB

Environmental remarks	
Temperature condition low -55°, IEC 60068-2-1 Temperature condition high +71°, IEC 60068-2-2 Temperature cycling IEC 60068-2-14 1h -45°C to +70°C 3 cycles Salt spray IEC 60068-2-11 Ka / 500 h Humidity ETSI EN300-2-4 T4.1E / 144h / 95% Solar radiation ASTM G53 / 1000 h Mechanical shock EC 60721-3-4, 4M3 Vibration IEC 60721-3-4 30 min/axis random 4M3	

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

Ordering information		
Item description	Item number	Product name
1354.17.0001	85017309	SENCITY® Spot-L SISO WiFi MIMO Antenna

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