

SENCITY® Spot-M WiFi Antenna
1356.17.0024**Description**

Directional high gain antenna for Wi-Fi 2/Wi-Fi 5 bands.
Supports from 5.15 GHz to 5.95 GHz frequency bands.
Vertical polarized.
For outdoor and indoor applications

**Product Configuration****Technical Data****Electrical Data**

	Band 1	Band 2	Band 3	Band 4
Frequency (MHz)	5150 - 5250	5250 - 5350	5350 - 5725	5725 - 5875
VSWR	1.9	1.9	1.9	1.9
Impedance (Ohm)	50	50	50	50
Gain (dBi)	18	19	18.5	18
3dB beamwidth (h) (°)	18	18	18	18
3dB beamwidth (v) (°)	18	18	18	18
Composite power max (W)	6			
Ambient temperature (°C)	25			
Front to back ratio (dB)	30	30	30	30
Vertical electrical tilt (°)	0	0	0	0

	Band 5
Frequency (MHz)	5875 - 5950
VSWR	2
Impedance (Ohm)	50
Gain (dBi)	17.5
3dB beamwidth (h) (°)	18
3dB beamwidth (v) (°)	18
Front to back ratio (dB)	30
Vertical electrical tilt (°)	0

Ports

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

Connections

	Band 1	Band 2	Band 3	Band 4	Band 5
Port 1	X	X	X	X	X

General Data**Mechanical Data**

Dimensions (mm) 190 x 190 x 30 (Height x Width x Depth)

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Weight (kg)	0.7
Windload	frontal: 104 N at 160 km/h, lateral: 16 N at 160 km/h , Wind speed survival: 220 km/h

Environmental Data

Environmental conditions	outdoor
Operation temperature (°C)	-45 to 70
Storage temperature (°C)	-45 to 70
Transport temperature (°C)	-55 to 71
IP rating	IP67
Flammability rating	UL 94-HB
2011/65/EU (RoHS - including 2015/863 and 2017/2102)	compliant
WEEE 2012/19/EU	special marking needed
REACH 1907/2006/EC	compliant

Temperature condition low -55°, IEC 60068-2-1

Temperature condition hig +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

Material Data

Radome colour	RAL 9002 (grey-white)
Radome material	Plastic
Back plate/base plate material	Aluminium

Related Products

9091.99.0201 Down_Sidetilt Bracket

Related Documents

Mounting instruction	DOC-0000225623
Painting instruction	DOC-0000256180
Security instruction	DOC-0000278984
Outline drawing	DPR-00099815
3D-model	DOC-0000451976

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