

SENCITY® Spot-M WiFi Antenna 1356.17.0024

SPA-5600/18/19/0/V

Description

Linear vertical polarised, directional WiFi antenna
 WiFi IEEE 802.11 a/h WLAN
 Frequency band 5.15 to 5.95 GHz
 High gain antenna 18 to 19 dBi
 Ingress protection IP67 (IEC 60529)
 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
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

Connections

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

General Data

DC Grounding Yes
 Composite Power max (W) 6

Mechanical Data

Dimensions (mm) 190 x 190 x 30 (Height x Width x Depth)
 Weight (kg) 0.7

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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
RoHS 2011/65/EU	compliant
REACH 2006/1907/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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