

SENCITY® Spot-M WiFi Antenna 1324.17.0051

Description

Directional high gain antenna for Wi-Fi 1/Wi-Fi 3 bands.
Supports from 2.3 GHz to 2.7 GHz frequency bands.
Vertical polarized.
For outdoor or indoor applications.



Product Configuration

Technical Data

Electrical Data

	Band 1	Band 2	Band 3
Frequency (MHz)	2300 - 2400	2400 - 2500	2500 - 2700
VSWR	1.9	1.9	1.9
Impedance (Ohm)	50	50	50
Gain (dBi)	14	14.5	15
3dB beamwidth (h) (°)	32	32	32
3dB beamwidth (v) (°)	32	32	32
Composite power max (W)	6		
Ambient temperature (°C)	25		
Front to back ratio (dB)	26	26	26
Sidelobes (h)	ETSI EN 301 525 V1.1.1 (2000-06)		
Sidelobes (v)	ETSI EN 301 525 V1.1.1 (2000-06)		
Vertical electrical tilt (°)	0	0	0

Ports

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

General Data

Mechanical Data

Dimensions (mm) 190 x 190 x 30 (Height x Width x Depth)
Weight (kg) 0.5
Windload frontal: 105 N at 160 km/h, lateral: 16 N at 160 km/h, Wind speed survival: 220 km/h

Environmental Data

Environmental conditions indoor/outdoor
Operation temperature (°C) -45 to 71
Storage temperature (°C) -45 to 71
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
Lead-free soldered yes
WEEE 2012/19/EU special marking needed
REACH 1907/2006/EC compliant

SENCITY® Spot-M WiFi Antenna 1324.17.0051

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

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	DOU-00264898
3D-model	DOC-0000455290