Data Sheet

HUBER+SUHNER

SENCITY® Spot-M 2x2 WiFi MIMO Antenna
1356.17.0023

Description

Directional high gain antenna for Wi-Fi 5 bands.
Supports 2X2 WiFi MIMO.
Supports from 5.15 GHz to 5.875 GHz frequency bands.
For outdoor or indoor applications

Product Configuration

Technical Data

Electrical Data

	Band 1
Frequency (MHz)	5150 - 5875
VSWR	1.7
Impedance (Ohm)	50
Gain (dBi)	19
3dB beamwidth (h) (°)	17
3dB beamwidth (v) (°)	17
Composite power max (W)	6
Ambient temperature (°C)	25
Front to back ratio (dB)	30
Co/Crosspolar ratio (dB)	20
Vertical electrical tilt (°)	0
Port Isolation (dB)	30

Ports

	Port 1	Port 2
Port name	VER	HOR
Connector	N, jack (female)	N, jack (female)
Polarization	vertical	horizontal

Connections

	Band 1
Port 1	X
Port 2	X

General Data

Mechanical Data

Dimensions (mm)	190 x 190 x 30 (Heigth x Width x Depth)
Weight (kg)	0.7
Windload	frontal: 105 N at 160 km/h, lateral:16 N at 160 km/h , Wind speed survival: 220 km/h

Connection ports Two connectors on the back plane - one per each polarization

Environmental Data

Environmental conditions	indoor/outdoor
Operation temperature (°C)	-55 to 70
Storage temperature (°C)	-55 to 70

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Transport temperature (°C)	-55 to 70
IP rating	IP67
Flammability rating	UL 94-HB
Solar radiation	ASTM 653-96
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

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
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 4M3
Vibration IEC 60721-3-4 30 min/axis random 4M3

Material Data

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

Related Products

9091.99.0201 Planar Antenna Downtilt Bracket

Related Documents

Mounting instruction	DOC-0000225623
Painting instruction	DOC-0000256180
Security instruction	DOC-0000278984
Outline drawing	DPR-00162132
3D-model	DOC-0000455813

Additional Information