Data Sheet

HUBER+SUHNER

SENCITY® SPOT-L WiFi Antenna
1355.17.0001

Description

Directional, planar, dual linear vertical + horizontal polarized WiFi antenna
WLAN IEEE 802.11 a/h/n/p
Frequency band 4.9 - 6.1 GHz, 23 dBi high gain
Including wireless access in vehicular environments IEEE 802.11p (5.85-5.925 GHz)
Also for public safety wireless networks and WiFi band IEEE 802.11 a/h/n for Japan (4.9 GHz band)
For outdoor applications
Ingress protection IP67

Product Configuration

Technical Data

Electrical Data

	Band 1	Band 2
Frequency (MHz)	4900 - 5150	5150 - 6100
VSWR	2	2
Impedance (Ohm)	50	50
Gain (dBi)	22	23
3dB beamwidth (h) (°)	10	10
3dB beamwidth (v) (°)	10	10
Composite power max (W)	6	
Ambient temperature (°C)	25	
Front to back ratio (dB)	30	30
Port Isolation (dB)	35	35

Ports

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

Connections

	Band 1	Band 2
Port 1	X	X
Port 2	X	X

General Data

Side lobes level ETSI EN 302 326-3 V1.1.2 DN3
Cross polarisation ETSI EN 302 326-3 V1.1.2 DN3

Mechanical Data

Dimensions (mm)	305 x 305 x 15 (Heigth x Width x Depth)
Weight (kg)	1.2
Windload	frontal: 263 N at 160 km/h, lateral:13 N at 160 km/h , Wind speed survival: 220 km/h

Environmental Data

Environmental conditions	indoor/outdoor
Operation temperature (°C)	-45 to 70
Storage temperature (°C)	-45 to 70

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Transport temperature (°C)	-45 to 70
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

Humidity ETSI EN300-2-4 T4.1E 144h 95%
Solar radiation ASTM G53 2000 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

9091.99.0183 Planar Antenna Downtilt Bracket

Related Documents

Mounting instruction	DOC-0000225623
Painting instruction	DOC-0000256180
Security instruction	DOC-0000278984
Outline drawing	DPR-00265435
3D-model	DOC-0000458307

Waiver: Fact and figures herein are for information only and do not represent any warranty of any kind.