

SENCITY® Spot-S 2x2 Wi-Fi MIMO Antenna

1324.19.0056

Properties

- Compact Industrial antenna for Wi-Fi bands between 2400 and 2485 MHz
- Gain of 8 dBi with with dual slant +/-45° polarisation
- Half power beamwidth of 70° (vertical) and 75° (Horizontal)
- Wall mounting material included
- Integrated SMA female interfaces



Electrical data		
	Band 1	
Frequency	2400 MHz ... 2485 MHz	
Impedance	50 Ω	
VSWR	1.5	
Gain	8 dBi	
HPBW vertical	70 °	
HPBW horizontal	75 °	
Isolation between Ports	25 dB	
Front to back ratio	14 dB	
Vertical Electrical Tilt	0 °	
Ambient Temperature	25 °C	
Composite Power max	50 W	
Ports		
	Port 1	Port 2
Connector	SMA, jack (female)	SMA, jack (female)
Polarization	-45° slant	+45° slant
Connections		
	Port 1	Port 2
Band 1		

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Mechanical data	
Weight	0.11 kg
Dimensions	101 mm x 81 mm x 36 mm (Height x Width x Depth)
Windload	front: 15 N at 160km/h, Wind Speed survival: 220 km/h

Material data	
Radome material	PC (Polycarbonate)
Radome colour	RAL 7044 (grey)

Environmental data	
Operation temperature	-40 °C ... 85 °C
Storage temperature	-40 °C ... 85 °C
Transport temperature	-40 °C ... 85 °C
Environment (application)	Indoor/Outdoor
Ingress protection (IP Rating)	IP 66 / IP 67
Flammability rating	EN 45545-2
Standards	Railway EN 50155
	Railway EN 45545
	Railway NFPA130
	Industrie EN 60068

Environmental remarks
FLAMMABILITY: EN 45545-2 (2013) HL3 and NFPA130 (2013), also BS 6853 and DIN 5510-2 ENVIRONMENT: Meets EN 50155 (2016) and EN 60068 related tests IP RATING: IP 66 / IP 67 (IEC 60529) SOLAR RADIATION: EN 50125-3:2004 §4.9, 1120 W/m² for 20h AIR PRESSURE: EN 50125-3:2004 §4.2, Altitude Class A1 (up to 1400m) AIR PULSE PRESSURE: EN 50125-3:2004 §4.2, 1 kPa/s RAIN: EN 50125-3:2004 §4.6, delivery rate: 6 mm/min VIBRATION / SHOCK: EN 50125-3:2004 §4.13, position profile: "outside the track" POLLUTION: EN 50125-3:2004 §4.11, pollution levels: 4B1, 4S1 CORROSION: MIL-F-14072 E Type 1 "exposed" MECHANICAL IMPACT (HAMMER IMPACT): EN 60068-2-75 (IEC 62262/2002-02 IK06)

Additional Information
Following Declaration of Conformity for SENCITY Spot-S antennas are available on request: * Industrial standards EN 60068 / EN 60529 / IEC 61373: Ref. DOC-0000318049 * Railway rolling stock, environmental standards EN 50155 and fire behaviour EN 45545-2k, NFPA130: Ref. DOC-0000380375

Ordering information	
Item number	Item description
84059618	1324.19.0056

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