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DATA SHEET

SENCITY® Omni-SR 3x3 MIMO Antenna

1399.35.0002

Properties

- Compact omni-directional MIMO indoor antenna for Wi-Fi applications
- Supports 3x3 Wi-Fi MIMO in all Wi-Fi 7 bands
- Rugged design, meets EN 50155 Railway Standard
- Fire retardant acc. to EN45545-2 and NFPA-130
- Contains three RF ports QMA (female) embedded on the rear side



Electrical data			
	Band 1	**Band 2**	**Band 3**
Frequency	2400 MHz ... 2690 MHz	5150 MHz ... 5935 MHz	5935 MHz ... 7125 MHz
Impedance	50 Ω	50 Ω	50 Ω
VSWR	1.5	1.5	1.8
Gain	4 dBi	6 dBi	6 dBi
HPBW horizontal	360 °	360 °	360 °
Isolation between Ports	20 dB	20 dB	20 dB
Ambient Temperature	25 °C	25 °C	25 °C
Composite Power max	40 W	30 W	30 W

Ports			
	Port 1	**Port 2**	**Port 3**
Port name	Wi-Fi	Wi-Fi	Wi-Fi
Connector	QMA, jack (female)	QMA, jack (female)	QMA, jack (female)
Polarization	vertical	vertical	vertical
DC grounded	Yes	Yes	Yes

Connections			
	Port 1	Port 2	Port 3
Port name	Wi-Fi	Wi-Fi	Wi-Fi
Band 1	✓	✓	✓
Band 2	✓	✓	✓

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Connections			
Band 3	✓	✓	✓

Mechanical data	
Weight	0.32 kg
Dimensions	31 mm x 91.8 mm x 281.8 mm (Height x Width x Depth)
Remarks	Low corrosion design acc. to MIL-F-14072(E).

Material data	
Radome material	PC (Polycarbonate)
Radome colour	RAL 7044 (grey)
Back plate/base plate material	Aluminum

Environmental data	
Operation temperature	-40 °C ... 85 °C
Storage temperature	-40 °C ... 85 °C
Transport temperature	-40 °C ... 85 °C
Environment (application)	Indoor
Flammability rating	EN 45545-2

Environmental remarks

Flammability rating: N 45545-2, NFPA130
IP rating IPX4
High-voltage-protection: Designed acc. to UIC 533
Environmental compliance: EN50155:2022

Additional Information

Antenna is identical to 1399.35.0008 but with radome colour RAL 7044 (grey).

Ordering information

Item description	Item number	Product name
1399.35.0002	84123697	SENCITY® Omni-SR 3x3 MIMO Antenna

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