

SENCITY® Omni-SR 6x6 MIMO Antenna 1399.35.0020

Description

Compact omni-directional MIMO indoor antenna for Wi-Fi applications.

Supports 6x6 Wi-Fi MIMO in all Wi-Fi 6E bands.

Contains six QMA (female) ports

Rugged design, meets EN 50155 Railway Standard.

Fire retardant according to EN 45545-2 and NFPA-130.



Product Configuration

Technical Data

Electrical Data

	Band 1	Band 2	Band 3
Frequency (MHz)	2400 - 2690	5150 - 5935	5935 - 7125
VSWR	2	2	2
Impedance (Ohm)	50	50	50
Gain (dBi)	4	4	4
3dB beamwidth (h) (°)	360	360	360
Composite power max (W)	40	30	30
Ambient temperature (°C)	25	25	25
Port Isolation (dB)	12	20	20

Ports

	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6
Port name	WiFi	WiFi	WiFi	WiFi	WiFi	WiFi
Connector	QMA, jack (female)	QMA, jack (female)	QMA, jack (female)	QMA, jack (female)	QMA, jack (female)	QMA, jack (female)
Polarization	vertical	vertical	vertical	vertical	vertical	vertical
DC grounded	Yes	Yes	Yes	Yes	Yes	Yes

Connections

	Band 1	Band 2	Band 3
Port 1	X	X	X
Port 2	X	X	X
Port 3	X	X	X
Port 4	X	X	X
Port 5	X	X	X
Port 6	X	X	X

General Data

Mechanical Data

Dimensions (mm) 31 x 91.8 x 281.8 (Height x Width x Depth)
Weight (kg) 0.32

Low corrosion design acc. to MIL-F-14072(E).

Environmental Data

Environmental conditions indoor
Operation temperature (°C) -40 to 85
Storage temperature (°C) -40 to 85

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Transport temperature (°C)	-40 to 85
IP rating	IPX5
Flammability rating	EN 45545-2 R24 HL3
Solar radiation	UL 746C, F1
2011/65/EU (RoHS - including 2015/863 and 2017/2102)	compliant
Lead-free soldered	yes
WEEE 2012/19/EU	no special marking needed
ELV 2000/53/EC	compliant
REACH 1907/2006/EC	compliant

Environmental tests: EN 50155:2018-05

Flammability rating: EN45545-2:2013 + A1:2015, NFPA-130:2017

Tested according to ISO 4589-2:2017, NFX 70-100-1:2006, ISO 5659-2:2011.

Material Data

Radome colour	RAL 7044 (grey)
Radome material	PC (Polycarbonate)
Back plate/base plate material	Aluminium
Plating	Passivated (Plating)

Related Documents

Mounting instruction	DOC-0000906678
Painting instruction	DOC-0000256180
Security instruction	DOC-0000278984
Outline drawing	DOU-00461679
3D-model	DOC-0000904024

Additional Information

