

Sencity Special Communication Antenna 98121119

Description

Vehicle Antenna
Frequency Range 380-430 MHz
Low profile antenna in fiberglass radome
Gain dB 0 (ref. to the quarter-wave antenna)



Product Configuration

Technical Data

Electrical Data

	Band 1
Frequency (MHz)	380 - 430
VSWR	1.7
Impedance (Ohm)	50
Composite power max (W)	100
Ambient temperature (°C)	50

Ports

	Port 1
Connector	N, jack (female)
Polarization	vertical
DC grounded	Yes

Connections

	Band 1
Port 1	X

General Data

Requires mounting on a conductive surface with a minimum size of 1000 x 1000 mm | 39.4 x 39.4 inches using 4x M10 bolts.

Mechanical Data

Dimensions (mm)	150 x 145 x 85 (Height x Width x Depth)
Weight (kg)	0.5

Radiator: Copper and brass.

Flange: Aluminum.

Radome: Fiberglass.

All screws and nuts: Stainless steel.

Colour: Grey.

Sealing: Neoprene and silicon. Note: Don't use detergents that might harm the sealing.

This antenna, tested by an independent institute, is DC grounded to protect against lightning and high-tension lines.

Note: Keep mounting surface clear of paint for electrical contact.

Evenness of opposite surface 0.2 mm | 0.008 inches.

Packaging size (outside): 150 x 90 x 190 mm

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Environmental Data

Environmental conditions	outdoor
Operation temperature (°C)	-40 to 85
Storage temperature (°C)	-55 to 85
IP rating	IP66
Flammability rating	UL 94-HB
Solar radiation	EN 45545-2
2011/65/EU (RoHS - including 2015/863 and 2017/2102)	compliant
WEEE 2012/19/EU	no special marking needed
REACH 1907/2006/EC	compliant

Environmental tests: EN 50155:2007

Flammability rating: DIN 5510-2, UL94 HB, EN 45545-2.

Material Data

Radome colour	grey
Back plate/base plate colour	black
Back plate/base plate material	Aluminium

Related Documents

Mounting instruction	DOC-0000871116
Security instruction	DOC-0000278984
Outline drawing	DOU-00397267

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