

Sencity Special Communication Antenna K813132

Description

Vehicle Antenna
Frequency Range 410-470 MHz
Low profile antenna in fiberglass radome
Gain dB 0 (ref. to the quarter-wave antenna)



Product Configuration

Technical Data

Electrical Data

Band 1	
Band Name	Tetra
Frequency (MHz)	410 - 470
VSWR	1.5
Impedance (Ohm)	50
Composite power max (W)	170
Ambient temperature (°C)	50

Ports

Port 1	
Port name	Tetra
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 50 x 50 cm | 19.7 x 19.7 inches by means of existing M10 studs.

Mechanical Data

Dimensions (mm)	142 x 145 x 80 (Height x Width x Depth)
Weight (kg)	0.5

Radiator and Flange: Aluminum.

Radome: Fiberglass, colour: Light grey.

All screws and nuts: Stainless steel.

Sealing: Neoprene and rubber. 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.

Packaging size (outside): 151 x 87 x 210 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
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

Material Data

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

Related Documents

Mounting instruction	DOC-0000871121
Security instruction	DOC-0000278984
Outline drawing	DOU-00397273