

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 |