

Sencity Special Communication Antenna K8134321

Description

Vehicle Antenna
Frequency range 406-428 MHz
Bus and Tram
Gain dB 0 (ref. to the quarter-wave antenna)

Please Note: the M11 interface is moving towards obsolescence, it is recommended to use K8134322 with N connector for new projects.



Product Configuration

Technical Data

Electrical Data

	Band 1	Band 2	Band 3
Frequency (MHz)	406 - 410	410 - 425	425 - 428
VSWR	1.9	1.7	1.9
Impedance (Ohm)	50	50	50
Composite power max (W)	50	50	50
Ambient temperature (°C)	50	50	50

Ports

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

Connections

	Band 1	Band 2	Band 3
Port 1	X	X	X

General Data

Requires mounting on a conductive surface 70 x 70 cm / 27.6 x 27.6 inches minimum.

Mechanical Data

Dimensions (mm) 70 x 110 (Height x Diameter)110 x 110 (Diameter x Length)70 x 110 x 110 (Height x Width x Depth)
Weight (kg) 0.4

Radiator and base: Aluminum.
Radome: High impact plastic.
All screws and nuts: Stainless steel.

All metall parts of this antenna are DC grounded.
Extreme robust and car-wash proof vehicular antenna.

Packaging size (outside): 117 x 117 x 114 mm

Environmental Data

Environmental conditions outdoor
Operation temperature (°C) -40 to 85
Storage temperature (°C) -55 to 85

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2011/65/EU (RoHS - including 2015/863 and 2017/2102)	compliant
REACH 1907/2006/EC	compliant

Material Data

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

Related Documents

Painting instruction	DOC-0000256180
Security instruction	DOC-0000278984
Outline drawing	DOU-00389243

Additional Information

The drilling diameter is 12 mm except the N connector versions: 17 mm. A special zinc washer ensures a good contact at the edges of the hole.