Data Sheet

Sencity Road MIMO Antenna 1399.99.0128

Description

Rugged vehicle rooftop multi-band antenna for heavy duty vehicles like bus and truck. Supports WiFi 2.4, 5 GHz and IEEE 802.11p in 3x3 MIMO configurations. Single hole mounting, easy cabling feed-through. Works also on non-metallic surfaces.



Product Configuration

Technical Data

Electrical Data

	Band 1	Band 2
Frequency (MHz)	2400 - 2690	4900 - 5935
VSWR	1.8	1.8
Impedance (Ohm)	50	50
Gain (dBi)	6	7
Composite power max (W)) 40	30
Ambient temperature (°C)	25	25
Port Isolation (dB)	14	22

Ports

	Port 1	Port 2	Port 3
Connector	SMA, jack (female)	SMA, jack (female)	SMA, jack (female)
Cable Type	ENVIROFLEX_316_D -AM	ENVIROFLEX_316_D -AM	ENVIROFLEX_316_D -AM
Cable Length (m)	0.3	0.3	0.3
Polarization	vertical	vertical	vertical
DC grounded	Yes	No	Yes

Connections

	Band 1	Band 2
Port 1	х	х
Port 2	х	Х
Port 3	х	х

General Data

Indicated VSWR values are also valid for installations on non-metallic surfaces (no ground plane requirements).

Mechanical Data

Dimensions (mm)	82 x 83 x 208 (Heigth x Width x Depth)
Weight (kg)	0.41

Mounting breakthrough Ø30mm

Environmental Data

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



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Transport temperature (°C) IP rating Flammability rating Solar radiation 2011/65/EU (RoHS - including 2015/863 and 2017/2102) WEEE 2012/19/EU ELV 2000/53/EC REACH 1907/2006/EC

ISO 16750:2010 environmental tests MIL-F-14072D low corrosion design E-Mark CE-Mark

Material Data

Radome colour Radome material Back plate/base plate material

Related Documents

3D-model

IP68, IP69 ECE-R118 DIN 75220 compliant no special marking needed compliant compliant

-40 to 85

RAL 7043 (dark grey) ASA (acrylic ester-styrene-acrylonitrile) Aluminium

Mounting instruction Painting instruction Security instruction Outline drawing

DOC-0000361395 DOC-0000256180 DOC-0000278984 DOU-00256404 DOC-0000446454

Additional Information

This product can be customized within the order process. Available options are: - Different radiator combinations - Different cable pigtail length and RF connector types - Fulfillment of fire safety standards EN 45545, DIN 5510 or ECE-R118 - ...and more. Note: The antenna gain as indicated above will vary for a different cable length. For a gain calculation please consider the cable attenuation per meter for the respective frequency band.

Waiver: It is exclusively in written agreements that we provide our customers with warrants and representations as to the technical specifications and/or the fitness for any particular purpose. The facts and figures contained herein are carefully compiled to the best of our knowledge, but they are intended for general information purposes only.

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