

HUBER+SUHNER

Sencity Road MIMO Antenna 1399.99.0119

Description

Rugged vehicle rooftop multi-band antenna for heavy duty vehicles like bus and truck. Supports 2G/3G/4G cellular bands in 2x2 MIMO configurations. Single hole mounting, easy cabling feed-through.



Product Configuration

Technical Data

Electrical Data

	Band 1	Band 2	Band 3	Band 4
Frequency (MHz)	698 - 790	790 - 960	1710 - 2170	2400 - 2690
VSWR	2.2	2	2	2
Impedance (Ohm)	50	50	50	50
Gain (dBi)	4	4	6	6
Composite power max (W)	80	50	40	40
Ambient temperature (°C)	25	25	25	25
Port Isolation (dB)	12	12	15	15

Ports

	Port 1	Port 2
Connector	SMA, plug (male)	SMA, plug (male)
Cable Type	ENVIROFLEX_316_D -AM	ENVIROFLEX_316_D -AM
Cable Length (m)	0.17	0.23
Polarization	vertical	vertical
DC grounded	No	No

Connections

	Band 1	Band 2	Band 3	Band 4
Port 1	Х	Х	Х	X
Port 2	Х	Х	Х	X

General Data

Indicated VSWR values are valid for a metallic ground plane of 0.75 x 0.75m or larger. In the 790-5935 MHz band, indicated VSWR values are also valid for installations on non-metallic surfaces (no specific ground plane requirements).

Mechanical Data

Dimensions (mm)	88 x 83 x 208 (Heigth x Width x Depth)
Weight (kg)	0.4

Mounting breakthrough Ø30mm

Environmental Data		
Environmental conditions		
Operation temperature (°C)		
Storage temperature (°C)		

indoor/outdoor -40 to 85 -40 to 85

Data Sheet

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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

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

-40 to 85

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

Related Products

9091.99.0250 Metal ground plane foil 0.6x0.6m

Related Documents

Mounting instruction Painting instruction Security instruction Outline drawing 3D-model DOC-0000361395 DOC-0000256180 DOC-0000278984 DOU-00275588 DOC-0000470978

HUBER+SUHNER is certified according to ISO 9001, ISO 14001, ISO/TS 16949 and IRIS

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