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DATA SHEET

SENCITY® Road MIMO Antenna

1399.99.0128

Properties

- 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.



Electrical data		
	Band 1	**Band 2**
Frequency	2400 MHz ... 2690 MHz	4900 MHz ... 5935 MHz
Impedance	50 Ω	50 Ω
VSWR	1.8	1.8
Gain	6 dBi	7 dBi
Isolation between Ports	14 dB	22 dB
Ambient Temperature	25 °C	25 °C
Composite Power max	40 W	30 W

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	0.3 m	0.3 m	0.3 m
Polarization	vertical	vertical	vertical
DC grounded	Yes	No	Yes

Connections			
	Port 1	Port 2	Port 3
Band 1	✓	✓	✓
Band 2	✓	✓	✓

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Mechanical data	
Weight	0.41 kg
Dimensions	82 mm x 83 mm x 208 mm (Height x Width x Depth)

Material data	
Radome material	ASA (acrylic ester-styrene-acrylonitrile)
Radome colour	RAL 7043 (dark grey)
Back plate/base plate material	Aluminium

Environmental data	
Operation temperature	-40 °C ... 85 °C
Storage temperature	-40 °C ... 85 °C
Transport temperature	-40 °C ... 85 °C
Environment (application)	Indoor/Outdoor
Ingress protection (IP Rating)	Mated / IP68, IP69
Flammability rating	ECE-R118
Solar radiation	DIN 75220

Environmental remarks

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

Ordering information

Item description	Item number	Product name
1399.99.0128	85004617	SENCITY® Road MIMO Antenna

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DOCUMENT PIM-P38213 / Date of publication: 20.08.2025 / uncontrolled copy