

SENCITY® Road MIMO Antenna

1399.99.0119

Properties

- 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



Electrical data				
	Band 1	Band 2	Band 3	Band 4
Frequency	698 MHz ... 790 MHz	790 MHz ... 960 MHz	1710 MHz ... 2170 MHz	2400 MHz ... 2690 MHz
Impedance	50 Ω	50 Ω	50 Ω	50 Ω
VSWR	2.2	2	2	2
Gain	4 dBi	4 dBi	6 dBi	6 dBi
Isolation between Ports	12 dB	12 dB	15 dB	15 dB
Ambient Temperature	25 °C	25 °C	25 °C	25 °C
Composite Power max	80 W	50 W	40 W	40 W

Electrical remarks

Remarks

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).

Ports

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

Connections

	Port 1	Port 2
Band 1	✓	✓
Band 2	✓	✓

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Connections		
Band 3		
Band 4		
Mechanical data		
Weight	0.4 kg	
Dimensions	88 mm x 83 mm x 208 mm (Height x Width x Depth)	
Mounting breakthrough	Ø 30 mm	
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)	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		
Antenna accessories		
Item description	Item number	Product name
9091.99.0250	84124410	Metal ground plane foil 0.6x0.6m
Ordering information		
Item description	Item number	Product name
1399.99.0119	85021510	SENCITY® Road MIMO Antenna

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