SENCITY® Road MULTI Antenna

1399.19.0416

Properties

- Rugged vehicle rooftop multi-band antenna for commercial vehicles like bus and truck

- Supports Wifi 2.4/5 GHz, Wifi 6E

- 6 separate ports for 6x6 Wifi MIMO

- Meets ISO16750 automotive standard

- Single hole mounting, easy cabling feed-through

- Fire retardant acc. to ECE-R118

Electrical data		
	Band 1	**Band 2**
Name	WiFi	WiFi
Frequency	2400 MHz ... 2500 MHz	4900 MHz ... 7125 MHz
Impedance	50 Ω	50 Ω
VSWR	2	2
Gain	6 dBi	6 dBi
Isolation between Ports	24 dB	24 dB
Ambient Temperature	25 °C	25 °C
Composite Power max	30 W	30 W

Electrical remarks	
Remarks	Ground plane: Indicated VSWR values are valid for a metallic ground plane of 0.5 x 0.5m or larger and Isolation is provided as typical values. Indicated VSWR values are mostly valid for installations on non-metallic surfaces also (no specific ground plane requirements). Indicated gain values will be achieved on a metallic ground plane of 1 x 1 m or larger.

Ports	
	Port 1 to 6
Port name	Wi-Fi 1-6 (blue)
Connector	SMA, plug (male)
Cable type	ENVIROFLEX_316_D-AM

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Ports

	Port 1 to 6
Cable length	0.3 m
Polarization	vertical
DC grounded	Yes

Connections

	Port 1 to 6
Port name	Wi-Fi 1-6 (blue)
Band 1	✓
Band 2	✓

Mechanical data

Weight	1.1 kg
Dimensions	60 mm x 210 mm (Height x Diameter)
Mounting breakthrough	Ø 30 mm

Material data

Radome material	PC (Polycarbonate)
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
Ingress protection (IP Rating)	Mated / IP68, IP69k
Flammability rating	ECE-R118
Solar radiation	DIN 75220
Standards	Automotive ISO 16750

Environmental remarks

Environmental tests: ISO 16750:2012/2010
Low corrosion designed acc. to MIL-F-14072D
E-Mark
CE-Mark

Ordering information

Item description	Item number	Product name
1399.19.0416	85192484	SENCITY® Road MULTI Antenna

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