

SENCITY® Road LowProfile

1399.99.0196

Properties

- Rugged low profile vehicle rooftop antenna for commercial vehicles like bus and truck
- Supports 2G/3G/4G/5G cellular and Wi-Fi
- 3 separate ports for 2x2 cellular MIMO plus Wi-Fi
- Meets ISO16750 automotive standard
- Fire retardant acc. to ECE-R118
- Single hole mounting, easy cabling feed-through



Electrical bands				
	Band 1	Band 2	Band 3	Band 4
Name	Cellular	Cellular	Cellular	Wi-Fi
Frequency	694 MHz ... 960 MHz	1710 MHz ... 2690 MHz	3400 MHz ... 3800 MHz	2400 MHz ... 2500 MHz
Impedance	50 Ω	50 Ω	50 Ω	50 Ω
VSWR	2.5	2	2	2
Gain	2 dBi	4 dBi	5 dBi	5 dBi
Isolation between Ports	5 dB	12 dB	10 dB	12 dB
Ambient Temperature		25 °C	25 °C	25 °C
Composite Power max	30 W	30 W	25 W	30 W

	Band 5
Name	Wi-Fi
Frequency	4900 MHz ... 7125 MHz
Impedance	50 Ω
VSWR	2
Gain	6 dBi
Isolation between Ports	20 dB
Ambient Temperature	25 °C
Composite Power max	20 W

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Ports			
	Port 1	Port 2	Port 3
Port name	Cell 1 (white)	Cell 2 (white)	Wifi 1 (blue)
Connector	FAKRA, jack (female)	FAKRA, jack (female)	FAKRA, 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	Yes	Yes

Connections			
Port number	Port 1	Port 2	Port 3
Band 1	✓	✓	
Band 2	✓	✓	
Band 3	✓	✓	
Band 4			✓
Band 5			✓

Mechanical data	
Weight	0.3 kg
Dimensions	33.2 mm x 145 mm (Height x Diameter)
Remarks	Mounting breakthrough Ø29mm

Interface and material data	
Radome material	PC (Polycarbonate)
Radome colour	RAL 7043 (dark grey)

Environmental data	
Operation temperature	-40 °C ... 85 °C
Storage temperature	-40 °C ... 85 °C
Transport temperature	-40 °C ... 85 °C
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

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