

SENCITY® Road IC MIMO Antenna

1399.99.0186

Properties

- Supports 2x2 MIMO for Wi-Fi and ready for Wi-Fi 6E
- Single hole mounting, low profile and vandalism proof.
- Works without metal ground plane
- ISO 16750, ECE-R118 compliant
- 3m of cable and FAKRA connector
- Supports 2x2 Cellular MIMO in 2.3 / 2.6 / 3.5 GHz bands



Electrical data

	Band 1	Band 2	Band 3	Band 4
Frequency	2300 MHz ... 2500 MHz	2500 MHz ... 2690 MHz	3400 MHz ... 4200 MHz	4900 MHz ... 5975 MHz
Impedance	50 Ω	50 Ω	50 Ω	50 Ω
VSWR	1.5	1.5	1.8	1.5
Gain	2 dBi	2 dBi	2 dBi	1 dBi
Isolation between Ports	22 dB	22 dB	25 dB	27 dB
Ambient Temperature	25 °C	25 °C	25 °C	25 °C
Composite Power max	40 W	40 W	40 W	30 W

	Band 5
Frequency	5975 MHz ... 7125 MHz
Impedance	50 Ω
VSWR	1.7
Gain	0 dBi
Isolation between Ports	30 dB
Ambient Temperature	25 °C
Composite Power max	20 W

Electrical remarks

Remarks	Ground plane: Antenna works on metallic as well as on non-metallic ground plane. Indicated gain values are valid for an antenna mounted on metallic ground plane of 0.5m diameter.
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Ports	
	Cell / WiFi 1 to 2 (white)
Connector	FAKRA, jack (female)
Cable type	ENVIROFLEX_316_D-AM
Cable length	3 m
Polarization	vertical

Connections	
	Cell / WiFi 1 to 2 (white)
Band 1	✓
Band 2	✓
Band 3	✓
Band 4	✓
Band 5	✓

Mechanical data	
Weight	0.9 kg
Dimensions	33.2 mm x 145 mm (Height x Diameter)
Mounting breakthrough	Ø 29 mm

Material data	
Radome material	Reinforced PC (Polycarbonate)
Radome colour	RAL 7044 (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)	Mated / IP68, IP69
Flammability rating	ECE-R118
Solar radiation	DIN 75220
Standards	Automotive ISO 16750

Ordering information		
Item description	Item number	Product name
1399.99.0186	85161336	SENCITY® Road IC MIMO Antenna

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