

SENCITY® Road IC MIMO Antenna

1399.99.0187

Properties

- Supports 3x3 WiFi MIMO in Wi-Fi 4 / Wi-Fi 6 and Wi-Fi 6E bands
- 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 3x3 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	20 dB	30 dB	30 dB	30 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

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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. Isolation: Isolation values are given for adjacent radiators.
Ports		
	Cell / WiFi 1 to 3 (white)	
Connector	FAKRA, jack (female)	
Cable type	ENVIROFLEX_316_D-AM	
Cable length	3 m	
Polarization	vertical	
DC grounded	Yes	
Connections		
	Cell / WiFi 1 to 3 (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
1399.99.0187	85177757	SENCITY® Road IC MIMO Antenna

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