

SENCITY® Omni-MR 4x4 MIMO Antenna

1399.17.0351

Properties

- Supports 4x4 Cellular MIMO for 3G, 4G and 5G
- Rugged design, meets EN 50155 Railway Standard and Fire retardant according to EN 45545-2 and NFPA-130
- Single hole mounting, easy cabling feed-through



Electrical data				
	Band 1	Band 2	Band 3	Band 4
Name	Cellular 1-4	Cellular 1-4	Cellular 1-4	Cellular 1-4
Frequency	617 MHz ... 960 MHz	1350 MHz ... 2700 MHz	3300 MHz ... 4200 MHz	4900 MHz ... 7125 MHz
Impedance	50 Ω	50 Ω	50 Ω	50 Ω
VSWR	2	2.1	2	2
Gain	2 dBi	4 dBi	4 dBi	5 dBi
Isolation between Ports	9 dB	18 dB	15 dB	18 dB
Ambient Temperature	25 °C	25 °C	25 °C	25 °C
Composite Power max	40 W	40 W	40 W	40 W

Electrical remarks

Remarks	Ground Plane: Indicated VSWR values are valid for a metallic ground plane of 0.5x0.5 m or larger and isolation is provided as typical values. Indicated VSWR values are mostly valid for installation on non-metallic surfaces also (no specific ground plane requirements). Indicated gain values are achieved on a metallic ground plane of 1 x1 m or larger.
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Ports

	Port 1 to 4
Port name	Cellular 1-4
Connector	N, jack (female)
Cable type	RADOX_RF_316_D
Cable length	0.5 m
Polarization	vertical

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Connections	
Port name	Port 1 to 4 Cellular 1-4
Band 1	✓
Band 2	✓
Band 3	✓
Band 4	✓

Mechanical data	
Weight	1.2 kg
Dimensions	60 mm x 210 mm (Height x Diameter)

Material data	
Radome material	PC (Polycarbonate)
Radome colour	RAL 7044 (light 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

Environmental remarks
Environmental tests: EN 50155:2022-06
Flammability rating: EN45545-2:2023, NFPA-130:2023

Ordering information		
Item description	Item number	Product name
1399.17.0351	85185014	SENCITY® Omni-MR 4x4 MIMO Antenna

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