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DATA SHEET

SENCITY® Urban 100 Omni MIMO 2x2 antenna

1399.17.0253

Properties

- Outdoor MIMO 2x2 directional antenna for 4G and 5G frequency bands 2500-2690, 3300-3800, 3800-4200MHz
- Compact solution with very high isolation between ports to maximize MIMO performances
- Very low PIM
- Low loss pigtails with N female connector



Electrical data			
	Band 1	**Band 2**	**Band 3**
Frequency	2500 MHz ... 2690 MHz	3300 MHz ... 3800 MHz	3800 MHz ... 4200 MHz
Impedance	50 Ω	50 Ω	50 Ω
VSWR	2	2	2
Gain	2 dBi	2.5 dBi	2.5 dBi
HPBW vertical	65 °	55 °	55 °
Isolation between Ports	30 dB	30 dB	30 dB
Ambient Temperature	70 °C	70 °C	70 °C
Composite Power max	100 W	70 W	60 W

Electrical remarks	
IMD level	-150 dBc at carrier power 2x 43 dBm

Ports		
	Port 1	**Port 2**
Connector	N, jack (female)	N, jack (female)
Cable type	SUCOFORM_122_LA_CU_CMP	SUCOFORM_122_LA_CU_CMP
Polarization	vertical	horizontal

Connections		
	Port 1	Port 2
Band 1	✓	✓
Band 2	✓	✓

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Connections		
Band 3	✓	✓

Mechanical data	
Dimensions	96 mm x 117 mm (Height x Diameter)

Material data	
Radome colour	RAL 7035 (light-grey)

Environmental data	
Operation temperature	-45 °C ... 70 °C
Ingress protection (IP Rating)	IP66

Environmental remarks

EN 300 019-2-4 4.1E: Salt mist IEC60068-2-11 Ka:35°C/5%NaCl/10d
Damp heat (steady state) IEC60068-2-78 Cab 93% +30°C 10d, (cycle) IEC60068-2-30 Db 93%-100% +10°C 2cycles
Vibration: IEC60068-2-6 Fc (sinusoidal), IEC60068-2-64 Fh (random)
Shocks IEC60068-2-27 Ea Type II and Type L
Wind load IEC 60721-3-3 with max wind speed 180Km/h

Antenna accessories

Item description	Item number	Product name
9091.99.0274	85113372	SENCITY® Antenna down- and sidetilt Bracket
9091.99.0238	84084452	SPOT-S Antenna Down- and Sidetilt Bracket

Antenna accessories remarks

9091.99.0274 SENCITY® Antenna down- and side tilt Bracket
9091.99.0238 SPOT-S Antenna Down- and Side tilt Bracket

Ordering information

Item description	Item number	Product name
1399.17.0253	85106726	SENCITY® Urban 100 Omni MIMO 2x2 antenna

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DOCUMENT PIM-P3247 / Date of publication: 14.08.2025 / uncontrolled copy