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DATA SHEET

SENCITY® Urban 100 Directional MIMO 2x2 antenna

1399.17.0255

Properties

- Outdoor MIMO 2x2 directional antenna for 4G and 5G frequency bands 2500-2690, 3300-3800, 3800-4200MHz
- +/- 45° dual-slant polarized
- 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
VSWR	2	2	2
Gain	4 dBi	7 dBi	7.5 dBi
HPBW vertical	65 °	65 °	58 °
HPBW horizontal	65 °	65 °	55 °
Isolation between Ports	20 dB	20 dB	20 dB
Front to back ratio	8 dB	13 dB	14 dB

Electrical remarks	
IMD level	-150 dBc at carrier power 2x 43 dBm
Remarks	VSWR 2.1:1 in 3300-3400MHz

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	-45° slant	+45° slant

Connections		
	Port 1	Port 2
Band 1	✓	✓
Band 2	✓	✓
Band 3	✓	✓

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

Material data	
Radome colour	RAL 7035 (light-grey)

Environmental data	
Operation temperature	-40 °C ... 70 °C
Environment (application)	Indoor/Outdoor
Ingress protection (IP Rating)	IP66

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

Ordering information		
Item description	Item number	Product name
1399.17.0255	85106948	SENCITY® Urban 100 Directional MIMO 2x2 antenna

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