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DATA SHEET

SENCITY® Urban 200 MIMO 2x2 antenna

1399.32.0002

Properties

- Outdoor MIMO 2x2 directional antenna (1695 - 2690 and 3410 - 4200MHz) with:H-HPBW
- 110° (3.3 - 4.2 GHz)
- Low PIM
- Nex10 female
- 110° (1.7 - 2.7 GHz)



Electrical data				
	Band 1	**Band 2**	**Band 3**	**Band 4**
Frequency	1695 MHz ... 1920 MHz	1920 MHz ... 2180 MHz	2300 MHz ... 2690 MHz	3300 MHz ... 3800 MHz
Impedance	50 Ω	50 Ω	50 Ω	50 Ω
VSWR	2	2	2	2
Gain	5.7 dBi	4.8 dBi	5 dBi	5.9 dBi
HPBW vertical	105 °	120 °	95 °	65 °
HPBW horizontal	100 °	120 °	100 °	110 °
Isolation between Ports	20 dB	20 dB	18 dB	20 dB
Front to back ratio	11 dB	11 dB	11 dB	15 dB
Co/Crosspolar Ratio	27 dB	22 dB	14 dB	15 dB
Ambient Temperature	25 °C	25 °C	25 °C	25 °C
Composite Power max	80 W	80 W	65 W	55 W

	Band 5
Frequency	3800 MHz ... 4200 MHz
Impedance	50 Ω
VSWR	2
Gain	4.9 dBi
HPBW vertical	85 °
HPBW horizontal	120 °
Isolation between Ports	20 dB
Front to back ratio	12 dB
Co/Crosspolar Ratio	19 dB
Ambient Temperature	25 °C
Composite Power max	55 W

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Electrical remarks	
IMD level	-150 dBc at carrier power 2x 43 dBm
Remarks	In the frequency range 4-4.2GHz Isolation >18dB

Ports		
	Port 1	**Port 2**
Port name	Port 1	Port 2
Connector	NEX10, jack (female)	NEX10, jack (female)
Polarization	+45° slant	-45° slant
DC grounded	No	No

Connections		
	Port 1	Port 2
Port name	Port 1	Port 2
Band 1	✓	✓
Band 2	✓	✓
Band 3	✓	✓
Band 4	✓	✓
Band 5	✓	✓

Mechanical data	
Weight	0.715 kg
Dimensions	184.8 mm x 164.6 mm x 84.2 mm (Height x Width x Depth)

Material data	
Radome material	PC (Polycarbonate)
Radome colour	RAL 7035 (light-grey)

Environmental data	
Operation temperature	-40 °C ... 70 °C
Storage temperature	-40 °C ... 70 °C
Transport temperature	-40 °C ... 70 °C
Environment (application)	Indoor/Outdoor
Ingress protection (IP Rating)	IP66
Flammability rating	UL 94-V0

Antenna accessories		
Item description	Item number	Product name
9091.99.0274	85113372	SENCITY® Antenna down- and sidetilt Bracket

Ordering information		
Item description	Item number	Product name
1399.32.0002	85117565	SENCITY® Urban 200 MIMO 2x2 antenna

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