DATA SHEET

SENCITY® Urban 200

1399.17.0248

Properties

- Directional antenna for Cellular bands between 1695 MHz and 4200 MHz
- with N female connectors
- Half power beamwidth of 60° (vertical) and 70° (Horizontal)
- Wall bracket is included. Pole bracket is sold as separate item (9091.99.0274)
- N female connector



Electrical data				
	Band 1	**Band 2**	**Band 3**	**Band 4**
Name	Cellular	Cellular	Cellular	Cellular
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	7.4 dBi	7.3 dBi	7.4 dBi	7.2 dBi
HPBW vertical	80 °	85 °	70 °	65 °
HPBW horizontal	75 °	75 °	70 °	65 °
Isolation between Ports	18 dB	20 dB	20 dB	17 dB
Front to back ratio	16 dB	15 dB	14 dB	20 dB
Co/Crosspolar Ratio	19 dB	15 dB	15 dB	15 dB
Ambient Temperature	25 °C	25 °C	25 °C	25 °C
Composite Power max	125 W	125 W	110 W	95 W

	Band 5
Name	Cellular
Frequency	3800 MHz ... 4200 MHz
Impedance	50 Ω
VSWR	2
Gain	8.4 dBi
HPBW vertical	50 °
HPBW horizontal	65 °
Isolation between Ports	19 dB
Front to back ratio	20 dB
Co/Crosspolar Ratio	17 dB
Ambient Temperature	25 °C

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	Band 5
Composite Power max	90 W

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

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

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

Mechanical data	
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
1399.17.0248	85110146	SENCITY® Urban 200

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