DATA SHEET

SENCITY® Urban 300

1399.31.0019

Properties

- Low PIM directional MIMO 2x2 antenna for small cell, indoor/outdoor DAS applications
- Supports MIMO 2x2 in 4G and 5G Bands
- Supports the frequency range from 698-960 MHz, 1695-2700 MHz, 3100-4200 MHz.
- Suitable for outdoor use
- Plenum rated cable terminated with 4310 female connector



Electrical data			
	Band 1	**Band 2**	**Band 3**
Name	Cellular	Cellular	Cellular
Frequency	698 MHz ... 960 MHz	1695 MHz ... 2700 MHz	3100 MHz ... 4200 MHz
Impedance	50 Ω	50 Ω	50 Ω
VSWR	2	1.7	1.6
Gain	5 dBi	7 dBi	6.5 dBi
HPBW vertical	85 °	65 °	65 °
HPBW horizontal	85 °	70 °	65 °
Isolation between Ports	13 dB	25 dB	22 dB
Ambient Temperature	25 °C	25 °C	25 °C
Composite Power max	50 W	45 W	15 W

Electrical remarks	
IMD level	-150 dBc at carrier power 2x 39 dBm

Ports		
	Port 1	**Port 2**
Port name	Cellular 1	Cellular 2
Connector	4.3-10, jack (female)	4.3-10, jack (female)
Connector position	Bottom	Bottom
Cable type	Sucoform_141-CU-CMP	Sucoform_141-CU-CMP
Polarization	+45° slant	-45° slant

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Ports		
	Port 1	**Port 2**
DC grounded	No	No

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

Mechanical data	
Weight	1.1 kg
Dimensions	260 mm x 200 mm x 90 mm (Height x Width x Depth)

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

Environmental data	
Operation temperature	-40 °C ... 70 °C
Installation temperature	-40 °C ... 70 °C
Storage temperature	-40 °C ... 70 °C
Environment (application)	Indoor/Outdoor
Ingress protection (IP Rating)	IP67

Additional Information
Wall bracket is included in the package. Bracket for pole installation is a separate item (9091.99.0292)

Antenna accessories remarks
Bracket for pole installation is a separate item (9091.99.0292)

Ordering information		
Item description	Item number	Product name
1399.31.0019	85184287	SENCITY® Urban 300

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