

SENCITY® Urban 200 1399.32.0002

Description

Outdoor MIMO 2x2 directional antenna (1695 - 2690 and 3410 - 4200MHz) with:
 H-HPBW
 110° (1.7 - 2.7 GHz)
 110° (3.3 - 4.2 GHz)
 Low PIM
 With NEX10 connectors



Product Configuration

Technical Data

Electrical Data

	Band 1	Band 2	Band 3	Band 4
Frequency (MHz)	1695 - 1920	1920 - 2180	2300 - 2690	3300 - 3800
VSWR	2	2	2	2
Impedance (Ohm)	50	50	50	50
Gain (dBi)	5.7	4.8	5	5.9
3dB beamwidth (h) (°)	100	120	100	110
3dB beamwidth (v) (°)	105	120	95	65
Composite power max (W)	80	80	65	55
Ambient temperature (°C)	25	25	25	25
Front to back ratio (dB)	11	11	11	15
Co/Crosspolar ratio (dB)	27	22	14	15
Port Isolation (dB)	20	20	18	20

	Band 5
Frequency (MHz)	3800 - 4200
VSWR	2
Impedance (Ohm)	50
Gain (dBi)	4.9
3dB beamwidth (h) (°)	120
3dB beamwidth (v) (°)	85
Composite power max (W)	55
Ambient temperature (°C)	25
Front to back ratio (dB)	12
Co/Crosspolar ratio (dB)	19
Port Isolation (dB)	20

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

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Connections

	Band 1	Band 2	Band 3	Band 4	Band 5
Port 1	X	X	X	X	X
Port 2	X	X	X	X	X

General Data

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

In the frequency range 4-4.2GHz Isolation >18dB

Mechanical Data

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

Environmental Data

Environmental conditions indoor/outdoor
Operation temperature (°C) -40 to 70
Storage temperature (°C) -40 to 70
Transport temperature (°C) -40 to 70
IP rating IP66
Flammability rating UL 94-V0
2011/65/EU (RoHS - including 2015/863 and 2017/2102) compliant
Lead-free soldered yes
REACH 1907/2006/EC compliant

Material Data

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

Related Products

9091.99.0274 SPOT-S Antenna Down- and Sidetilt Bracket

Related Documents

Painting instruction DOC-0000256180
Security instruction DOC-0000278984
Outline drawing DOU-00384450
3D-model DOC-0000838994

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