Data Sheet

HUBER+SUHNER

SENCITY® Urban 200
1399.32.0001

Description

Outdoor MIMO 2x2 directional antenna (1695-2690 and 3300-4200MHz) with:
H-HPBW
70° (1.7-2.7 GHz)
60° (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)	7.4	7.3	7.4	7.2
3dB beamwidth (h) (°)	75	75	70	65
3dB beamwidth (v) (°)	80	85	70	65
Composite power max (W)	80	80	65	55
Ambient temperature (°C)	25	25	25	25
Front to back ratio (dB)	16	15	14	20
Co/Crosspolar ratio (dB)	19	15	15	15
Port Isolation (dB)	18	20	20	17

	Band 5
Frequency (MHz)	3800 - 4200
VSWR	2
Impedance (Ohm)	50
Gain (dBi)	8.4
3dB beamwidth (h) (°)	65
3dB beamwidth (v) (°)	50
Composite power max (W)	55
Ambient temperature (°C)	25
Front to back ratio (dB)	20
Co/Crosspolar ratio (dB)	17
Port Isolation (dB)	19

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

Data Sheet

SENCITY® Urban 200
1399.32.0001

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 1.71-1.715 GHz VSWR < 2.1:1

Mechanical Data

Dimensions (mm)	184.8 x 164.6 x 84.2 (Heigth x Width x Depth)
Weight (kg)	0.623

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

Waiver: Fact and figures herein are for information only and do not represent any warranty of any kind.