

SENCITY Omni-S-SC 1399.31.0003

Description

Outdoor omni-directional antenna for Small Cells
2 x 2 Cellular MIMO 1710 MHz up to 5850 MHz



Product Configuration

Technical Data

Electrical Data

	Band 1	Band 2	Band 3
Frequency (MHz)	1710 - 2700	3400 - 3800	5150 - 5850
VSWR	2	2	2
Impedance (Ohm)	50	50	50
Gain (dBi)	4.5	5.5	5.5
Ambient temperature (°C)			
Port Isolation (dB)	-15	-15	-15

Ports

	Port 1	Port 2
Port name	Port 1	Port 2
Connector	4.3-10, jack (female)	4.3-10, jack (female)
Cable Type	SUCOFORM_122_LA_CU_CMP	SUCOFORM_122_LA_CU_CMP
Cable Length (m)	0.3	0.3
Min. radius static (mm)	5	5
Polarization	vertical	vertical
DC grounded	Yes	Yes

Connections

	Band 1	Band 2	Band 3
Port 1	X	X	X
Port 2	X	X	X

General Data

IMD level -150 dBc at carrier power 2x 37dBm

Mechanical Data

Dimensions (mm) 33.2 x 145 (Height x Diameter)
Weight (kg) 0.32

Environmental Data

Environmental conditions indoor/outdoor
Operation temperature (°C) -55 to 85
Storage temperature (°C) -55 to 85
Transport temperature (°C) -55 to 85
IP rating IP69
Flammability rating UL 94-V0

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RoHS 2011/65/EU	compliant
Lead-free soldered	yes
REACH 2006/1907/EC	compliant

TEMPERATURE RANGE: EN 60068-2-1 (2007), test Ab, -55°C, 16h and EN-60068-2-2 (2007), test Bb, +85°C, 16h

THERMAL SHOCK: IEC 60068-2-14 (2009), test Na, -55°C to +85°C, 3h, 5 cycles

SOLAR RADIATION: EN 60068-2-5, test Sa, procedure B, 1200 W/m², 3 x 24h

RELATIVE HUMIDITY: EN 60068-2-78 (2012), test Cb, RH 95%, 21d (damp heat, steady state)

RELATIVE HUMIDITY: EN 60068-2-30 (2005), RH 97%, 6 cycles (damp heat, cyclic)

SALT SPRAY: EN 60068-2-11 (2002), test Ka, 96h

MECHANICAL VIBRATION / SHOCK: IEC 61373 (1999), § 9 and § 10, category 2

VANDALISM: EN 60068-2-75 (1997), IEC 62262 (2002) IK10, test Ehc

CORROSION: MIL-F-14072 E type 1 "exposed"

IP69 when mounted on a flat plane larger than the antenna.

Material Data

Radome colour	RAL 7044 (grey)
Radome material	PC (Polycarbonate)

Related Documents

Outline drawing	DOU-00345461
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Additional Information