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DATA SHEET

SENCITY® Rondo MIMO 2x2 Antenna

1399.31.0010

Properties

- Indoor DAS omni-directional antenna for In-Building Coverage 698 MHz up to 3800 MHz
- AMPS, GSM, PCS, CDMA, UMTS, WiFi, WLAN 2.4, LTE
- Antenna ETL tested for Plenum space (UL 2043)
- Design Patent DM/088510



Electrical data				
	Band 1	**Band 2**	**Band 3**	**Band 4**
Frequency	698 MHz ... 790 MHz	790 MHz ... 960 MHz	1447 MHz ... 1660 MHz	1695 MHz ... 2170 MHz
Impedance	50 Ω	50 Ω	50 Ω	50 Ω
VSWR	1.5	1.5	1.7	1.5
Gain	2 dBi	2 dBi	4 dBi	6 dBi
Isolation between Ports	20 dB	20 dB	20 dB	23 dB
Ambient Temperature	25 °C	25 °C	25 °C	25 °C
Composite Power max	300 W	180 W	180 W	130 W

	Band 5	**Band 6**	**Band 7**
Frequency	2170 MHz ... 2700 MHz	3400 MHz ... 3600 MHz	3600 MHz ... 3800 MHz
Impedance	50 Ω	50 Ω	50 Ω
VSWR	1.5	1.5	1.5
Gain	7 dBi	6 dBi	6 dBi
Isolation between Ports	20 dB	23 dB	30 dB
Ambient Temperature	25 °C	25 °C	25 °C
Composite Power max	90 W	50 W	50 W

Electrical remarks	
IMD level	-155 dBc at carrier power 2x 43 dBm
Remarks	Gain specification defined without use of ground plane. Radiator grounded for remote connectivity surveillance

Ports		
	Port 1	**Port 2**
Connector	4.3-10, jack (female)	4.3-10, jack (female)
Cable type	SUCOFORM_141_CU_CMP	SUCOFORM_141_CU_CMP
Cable length	0.35 m	0.35 m

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Ports		
	Port 1	**Port 2**
Polarization	vertical	vertical
DC grounded	Yes	Yes

Connections		
	Port 1	Port 2
Band 1	✓	✓
Band 2	✓	✓
Band 3	✓	✓
Band 4	✓	✓
Band 5	✓	✓
Band 6	✓	✓
Band 7	✓	✓

Mechanical data	
Weight	0.82 kg
Dimensions	87 mm x 238 mm (Height x Diameter)

Material data	
Radome material	PC (Polycarbonate)
Radome colour	White
Back plate/base plate material	PCB_1

Environmental data	
Operation temperature	0 °C ... 55 °C
Storage temperature	-55 °C ... 85 °C
Transport temperature	-55 °C ... 85 °C
Environment (application)	Indoor
Flammability rating	UL 94-V0
Solar radiation	UL 746C, F1

Environmental remarks
Plenum rated pigtail cable (UL2043)

Additional Information
Item number: 85080511

Antenna accessories		
Item description	Item number	Product name
9091.99.0258	85067690	Multi function bracket for SENSITY® Rondo

Antenna accessories remarks
Thickness of false ceiling to be < 30 mm. Multi function bracket needs to be ordered separately.

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Ordering information		
Item description	Item number	Product name
1399.31.0010	85080511	SENCITY® Rondo MIMO 2x2 Antenna

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