

SENCITY® Rondo 600 MIMO Antenna

1399.31.0007

Properties

- Indoor DAS omni-directional antenna for in-building coverage
- AMPS, GSM, PCS, CDMA, UMTS, WiFi, WLAN 2.4, LTE
- Design Patent DM/088510
- Antenna ETL tested for Plenum space (UL 2043)



Electrical data				
	Band 1	Band 2	Band 3	Band 4
Frequency	617 MHz ... 698 MHz	698 MHz ... 790 MHz	790 MHz ... 960 MHz	1695 MHz ... 2180 MHz
Impedance	50 Ω	50 Ω	50 Ω	50 Ω
VSWR	1.8	1.9	2	1.6
Gain	2.5 dBi	3.5 dBi	4.5 dBi	5 dBi
Isolation between Ports	13 dB	15 dB	17 dB	20 dB
Ambient Temperature	55 °C			
Composite Power max	50 W			

	Band 5	Band 6	Band 7	Band 8
Frequency	2180 MHz ... 2400 MHz	2400 MHz ... 2500 MHz	2500 MHz ... 2690 MHz	3300 MHz ... 4200 MHz
Impedance	50 Ω	50 Ω	50 Ω	50 Ω
VSWR	1.6	1.5	1.5	2
Gain	6 dBi	6.5 dBi	6.5 dBi	5.5 dBi
Isolation between Ports	18 dB	18 dB	18 dB	21 dB
Ambient Temperature				
Composite Power max				

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	✓	✓
Band 8	✓	✓

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, FI

Environmental remarks
Plenum rated pigtail cable (UL2043)

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.

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Ordering information		
Item description	Item number	Product name
1399.31.0007	85086028	SENCITY® Rondo 600 MIMO Antenna

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