

SENCITY® Rondo Antenna SISO 1399.31.0004

Description

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
 ETL tested for Plenum space (UL 2043)
 Patented design



Product Configuration

Technical Data

Electrical Data

	Band 1	Band 2	Band 3	Band 4
Frequency (MHz)	698 - 790	790 - 960	1710 - 2170	2170 - 2700
VSWR	1.5	1.5	1.5	1.5
Impedance (Ohm)	50	50	50	50
Gain (dBi)	2	3	5.5	7
Composite power max (W)	50			
Ambient temperature (°C)	55			

	Band 5
Frequency (MHz)	3400 - 3800
VSWR	1.5
Impedance (Ohm)	50
Gain (dBi)	6

Ports

	Port 1
Connector	4.3-10, jack (female)
Cable Type	SUCOFORM_141_C U_CMP
Cable Length (m)	0.3
Min. radius static (mm)	8
Polarization	vertical
DC grounded	Yes

General Data

IMD level -155 dBc at carrier power 2x 43dBm

Gain specification defined without use of ground plane.

Mechanical Data

Dimensions (mm) 87 x 238 (Height x Diameter)

Environmental Data

Environmental conditions indoor
 Operation temperature (°C) 0 to 55
 Storage temperature (°C) -55 to 85
 Transport temperature (°C) -55 to 85
 Flammability rating UL 94-V0

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Solar radiation	UL 746C, F1
2011/65/EU (RoHS - including 2015/863 and 2017/2102)	compliant
Lead-free soldered	yes
WEEE 2012/19/EU	special marking needed
REACH 1907/2006/EC	compliant

Material Data

Radome colour	white
Radome material	PC (Polycarbonate)
Back plate/base plate material	PCB_1

Related Products

9091.99.0258 Multi function bracket for SENSITY® Rondo

Thickness of false ceiling to be < 30 mm. The bracket needs to be ordered separately.

Related Documents

Mounting instruction	DOC-0000717099
Painting instruction	DOC-0000256180
Security instruction	DOC-0000278984
Outline drawing	DOU-00353896

Additional Information

Radiator grounded for remote connectivity surveillance