

SENCITY® Rondo MIMO Antenna 1399.31.0010

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
Antenna ETL listed for Plenum space (UL 2043)
Design Patent DM/088510

4.3-10+ female connectors on Plenum pigtails



Product Configuration

Technical Data

Electrical Data

| | Band 1 | Band 2 | Band 3 | Band 4 |
|--------------------------|-----------|-----------|---------------|-------------|
| Frequency (MHz) | 698 - 790 | 790 - 960 | 1447 - 1660.5 | 1695 - 2170 |
| VSWR | 1.5 | 1.5 | 1.7 | 1.5 |
| Impedance (Ohm) | 50 | 50 | 50 | 50 |
| Gain (dBi) | 2 | 2 | 4 | 6 |
| Composite power max (W) | 300 | 180 | 180 | 130 |
| Ambient temperature (°C) | 25 | 25 | 25 | 25 |
| Port Isolation (dB) | 20 | 20 | 20 | 23 |

| | Band 5 | Band 6 | Band 7 |
|--------------------------|-------------|-------------|-------------|
| Frequency (MHz) | 2170 - 2700 | 3400 - 3600 | 3600 - 3800 |
| VSWR | 1.5 | 1.5 | 1.5 |
| Impedance (Ohm) | 50 | 50 | 50 |
| Gain (dBi) | 7 | 6 | 6 |
| Composite power max (W) | 90 | 50 | 50 |
| Ambient temperature (°C) | 25 | 25 | 25 |
| Port Isolation (dB) | 20 | 23 | 30 |

Ports

| | Port 1 | Port 2 |
|-------------------------|-------------------------|-------------------------|
| Connector | 4.3-10, jack (female) | 4.3-10, jack (female) |
| Cable Type | SUCOFORM_141_C U_CMP | SUCOFORM_141_C U_CMP |
| Cable Length (m) | 0.35 | 0.35 |
| Min. radius static (mm) | 8 | 8 |
| Polarization | vertical | vertical |
| DC grounded | Yes | Yes |

Connections

| | Band 1 | Band 2 | Band 3 | Band 4 | Band 5 | Band 6 | Band 7 |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Port 1 | X | X | X | X | X | X | X |
| Port 2 | X | X | X | X | X | X | X |

General Data

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

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Gain specification defined without use of ground plane.
Radiator grounded for remote connectivity surveillance

Mechanical Data

| | |
|-----------------|------------------------------|
| Dimensions (mm) | 87 x 238 (Height x Diameter) |
| Weight (kg) | 0.82 |

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 |
| 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 |

Plenum rated pigtail cable (UL2043)

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. Multi function bracket needs to be ordered separately.

Related Documents

| | |
|----------------------|----------------|
| Mounting instruction | DOC-0000717099 |
| Painting instruction | DOC-0000256180 |
| Security instruction | DOC-0000278984 |
| Outline drawing | DOU-00324877 |

Additional Information

Item number: 85080511