Data Sheet

HUBER+SUHNER

SENCITY® Rondo MIMO Antenna
1399.47.0001

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 classified for Plenum space (UL 2043)
Design Patent DM/088510



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)	50			
Ambient temperature (°C)	55			
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
Port Isolation (dB)	20	23	30

Ports

	Port 1	Port 2
Connector	4.1/9.5, jack (female)	4.1/9.5, jack (female)
Cable Type	SUCOFORM_141_CU_CMP	SUCOFORM_141_CU_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

Gain specification defined without use of ground plane.

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Mechanical Data

Dimensions (mm)	87 x 238 (Height x Diameter)
Weight (kg)	0.512

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

Additional Information

Radiator grounded for remote connectivity surveillance Item number: 85067996

Waiver: Fact and figures herein are for information only and do not represent any warranty of any kind.