

SENCITY® Rondo MIMO Antenna 1399.31.0001

SWA-0627/360/7/0/MIMO

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 tested 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	1710 - 2170	2170 - 2500
VSWR	1.5	1.5	1.5	1.5
Impedance (Ohm)	50	50	50	50
Gain (dBi)	2	2	6	7
Port Isolation (dB)	20	20	23	23

	Band 5	Band 6	Band 7
Frequency (MHz)	2500 - 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	4.3-10, jack (female)	4.3-10, 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

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

DC Grounding	Yes
IMD level	-155 dBc at carrier power 2x 43dBm
Composite Power max (W)	50

Gain specification defined without use of ground plane.

Radiator grounded for remote connectivity surveillance

SENSITY® Rondo MIMO Antenna 1399.31.0001

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
RoHS 2011/65/EU	compliant
Lead-free soldered	yes
REACH 2006/1907/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. The bracket needs to be ordered separately.

Related Documents

Mounting instruction	DOC-0000717099
Painting instruction	DOC-0000256180
Security instruction	DOC-0000278984
Outline drawing	DOU-00304163

Additional Information

Item number: 85071140