

Sencity® SPOT-L RFID Antenna 1309.17.0077

SPA-915/63/9/0/RCP

Description

UHF RFID Reader Antenna
 RHCP right-hand circular polarized
 Frequency range: 902 - 928 MHz for FCC applications
 Ingress protection IP54 (IEC 60529)



Product Configuration

Technical Data

Electrical Data

	Band 1
Frequency (MHz)	902 - 928
VSWR	1.5
Impedance (Ohm)	50
Gain (dBi)	8.5
3dB beamwidth (h) (°)	63
3dB beamwidth (v) (°)	63
Front to back ratio (dB)	-18
Axial ratio (dB)	4
Vertical electrical tilt (°)	0

Ports

	Port 1
Connector	N, jack (female)
Polarization	circular right

General Data

DC Grounding	No
Composite Power max (W)	6

Mechanical Data

Dimensions (mm)	305 x 305 x 25 (Height x Width x Depth)
Weight (kg)	1.2

Environmental Data

Environmental conditions	indoor
Operation temperature (°C)	-55 to 71
Storage temperature (°C)	-55 to 71
Transport temperature (°C)	-55 to 71
IP rating	IP54
RoHS 2011/65/EC	compliant
REACH 2006/1907/EC	compliant

Humidity ETSI EN300-2-4 T4.1E / 144h / 95%
 Solar radiation ASTM G53 / 1000 h
 Temperature cycling IEC 68-2-14 / 1 h / -45°C +70°C / 3 cycles
 Thermal shock nono-operating -30°C to 70°C, ramp 30 °C/min
 Mechanical shock operating 10 g, 11 msec, half sine pulse
 Vehicle vibration operating 1 g rms, 10 - 500 Hz, in 3 axis (6 hours total)

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Quasi random vibration 20 g rms for 4 hours

Radom material UV resistant per ETSI 300

Material Data

Radome colour	RAL 9002 (grey-white)
Radome material	Plastic
Back plate/base plate material	Aluminium

Related Products

9091.99.0183 Down_Sidetilt Bracket

Related Documents

Mounting instruction	DOC-0000225623
Painting instruction	DOC-0000256180
Security instruction	DOC-0000278984
Outline drawing	DPR-00121299