

## SENCITY® SPOT-L WiFi Antenna 1354.17.0001

### Description

Linear vertical or horizontal polarized WiFi antenna  
Frequency band 4.9 - 5.875 GHz, 23 dBi, WLAN  
WiFi IEEE 802.11a/h/p standard  
High gain directional antenna  
For outdoor applications  
Ingress protection IP67 (IEC 60529)



### Product Configuration

### Technical Data

#### Electrical Data

|                          | Band 1      | Band 2      |
|--------------------------|-------------|-------------|
| Frequency (MHz)          | 4900 - 5150 | 5150 - 5875 |
| VSWR                     | 1.9         | 1.7         |
| Impedance (Ohm)          | 50          | 50          |
| Gain (dBi)               | 22          | 23          |
| 3dB beamwidth (h) (°)    | 9           | 9           |
| 3dB beamwidth (v) (°)    | 9           | 9           |
| Composite power max (W)  | 6           |             |
| Ambient temperature (°C) | 25          |             |
| Front to back ratio (dB) | 35          | 35          |

#### Ports

|              | Port 1           |
|--------------|------------------|
| Connector    | N, jack (female) |
| Polarization | vertical         |
| DC grounded  | Yes              |

#### Connections

|        | Band 1 | Band 2 |
|--------|--------|--------|
| Port 1 | X      | X      |

#### General Data

#### Mechanical Data

Dimensions (mm) 305 x 305 x 15 (Height x Width x Depth)  
Weight (kg) 1.2  
Windload frontal: 263 N at 160 km/h, lateral: 13 N at 160 km/h, Wind speed survival: 220 km/h

#### Environmental Data

Environmental conditions indoor/outdoor  
Operation temperature (°C) -45 to 70  
Storage temperature (°C) -45 to 70  
IP rating IP67  
Flammability rating UL 94-HB  
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

## SENCITY® SPOT-L WiFi Antenna 1354.17.0001

Temperature condition low -55°, IEC 60068-2-1  
Temperature condition hig +71°, IEC 60068-2-2  
Temperature cycling IEC 60068-2-14 1h -45°C to +70°C 3 cycles  
Salt spray IEC 60068-2-11 Ka / 500 h  
Humidity ETSI EN300-2-4 T4.1E / 144h / 95%  
Solar radiation ASTM G53 / 1000 h  
Mechanical shock EC 60721-3-4, 4M3  
Vibration IEC 60721-3-4 30 min/axis random 4M3

### Material Data

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

### Related Products

9091.99.0183 Planar Antenna Downtilt Bracket

### Related Documents

|                      |                |
|----------------------|----------------|
| Mounting instruction | DOC-0000225623 |
| Painting instruction | DOC-0000256180 |
| Security instruction | DOC-0000278984 |
| Outline drawing      | DPR-00265928   |
| 3D-model             | DOC-0000459244 |

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