

**SENCITY® Spot-S Wi-Fi Antenna**

1324.19.0057

**Properties**

- Compact Industrial antenna for Wi-Fi bands between 2400 and 2500 MHz
- Gain of 8.5 dBi with Vertical polarisation
- Half power beamwidth of 75° (vertical) and 75° (Horizontal)
- Wall mounting material included
- Integrated SMA female interface

**Electrical data**

|                     | Band 1                |
|---------------------|-----------------------|
| Frequency           | 2400 MHz ... 2500 MHz |
| Impedance           | 50 Ω                  |
| VSWR                | 1.5                   |
| Gain                | 8.5 dBi               |
| HPBW vertical       | 75 °                  |
| HPBW horizontal     | 75 °                  |
| Front to back ratio | 12 dB                 |
| Ambient Temperature | 25 °C                 |
| Composite Power max | 30 W                  |

**Ports**

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

**Connections**

|        | Port 1                              |
|--------|-------------------------------------|
| Band 1 | <input checked="" type="checkbox"/> |

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| <b>Mechanical data</b> |   |
|------------------------|---|
| Weight                 | 0.11 kg   |
| Dimensions             | 101 mm x 81 mm x 36 mm (Height x Width x Depth)       |
| Windload               | front: 15 N at 160km/h, Wind Speed survival: 220 km/h |

| <b>Material data</b> |                    |
|----------------------|--------------------|
| Radome material      | PC (Polycarbonate) |
| Radome colour        | RAL 7044 (grey)    |

| <b>Environmental data</b>      |                  |
|--------------------------------|------------------|
| Operation temperature          | -40 °C ... 85 °C |
| Storage temperature            | -40 °C ... 85 °C |
| Transport temperature          | -40 °C ... 85 °C |
| Environment (application)      | Indoor/Outdoor   |
| Ingress protection (IP Rating) | IP 66 / IP 67    |
| Flammability rating            | EN 45545-2       |

| <b>Environmental remarks</b>  |  |
|---|--|
| FLAMMABILITY: EN 45545-2 (2013) HL3 and NFPA130 (2013), also BS 6853 and DIN 5510-2 |  |
| ENVIRONMENT: Meets EN 50155 (2016) and EN 60068 related tests                       |  |
| IP RATING: IP 66 / IP 67 (IEC 60529)  |  |
| SOLAR RADIATION: EN 50125-3:2004 §4.9, 1120 W/m <sup>2</sup> for 20h                |  |
| AIR PRESSURE: EN 50125-3:2004 §4.2, Altitude Class A1 (up to 1400m)                 |  |
| AIR PULSE PRESSURE: EN 50125-3:2004 §4.2, 1 kPa/s                                   |  |
| RAIN: EN 50125-3:2004 §4.6, delivery rate: 6 mm/min                                 |  |
| VIBRATION / SHOCK: EN 50125-3:2004 §4.13, position profile: "outside the track"     |  |
| POLLUTION: EN 50125-3:2004 §4.11, pollution levels: 4B1, 4S1                        |  |
| CORROSION: MIL-F-14072 E Type 1 "exposed"   |  |
| MECHANICAL IMPACT (HAMMER IMPACT): EN 60068-2-75 (IEC 62262/2002-02 IK06)           |  |

| <b>Additional Information</b>  |  |
|--|--|
| Following Declaration of Conformity for SENCITY Spot-S antennas are available on request: * Industrial standards EN 60068 / EN 60529 / IEC 61373: Ref. DOC-0000318049 * Railway rolling stock, environmental standards EN 50155 and fire behaviour EN 45545-2k, NFPA130: Ref. DOC-0000380375 |  |

| <b>Ordering information</b> |                  |
|-----------------------------|------------------|
| Item number                 | Item description |
| 84059620                    | 1324.19.0057     |

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