

SENCITY® Spot-L SISO WiFi MIMO Antenna

1354.17.0001

Properties

- Directional high gain antenna for Wi-Fi or Cellular bands between 4900 MHz and 5875 MHz
- Gain of 23 dBi with Vertical polarization
- Half power beamwidth of 9° (vertical) and 9° (Horizontal)
- Mounting brackets for wall or pole mounting sold separately
- Integrated N female interface

**Electrical bands**

| | Band 1 | Band 2 |
|---------------------|-----------------------|-----------------------|
| Frequency | 4900 MHz ... 5150 MHz | 5150 MHz ... 5875 MHz |
| VSWR | 1.9 | 1.7 |
| Impedance | 50 Ω | 50 Ω |
| Gain | 22 dBi | 23 dBi |
| HPBW vertical | 9° | 9° |
| HPBW horizontal | 9° | 9° |
| Front to back ratio | 35 dB | 35 dB |
| Ambient Temperature | 25 °C | |
| Composite Power max | 6 W | |

Ports

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

Connections

| Port number | Port 1 |
|-------------|--------|
| Band 1 | ✓ |
| Band 2 | ✓ |

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| Mechanical data | |
|------------------------|--|
| Weight | 1.2 kg |
| Dimensions | 305 mm x 305 mm x 15 mm (Height x Width x Depth) |
| Windload | front: 263 N at 160 km/h, lateral: 13 at 160 km/h, Wind Speed survival: 220 km/h |

| Interface and material data | |
|------------------------------------|-----------------------|
| Radome material | Plastic |
| Radome colour | RAL 9002 (grey-white) |
| Back plate/base plate material | Aluminum |

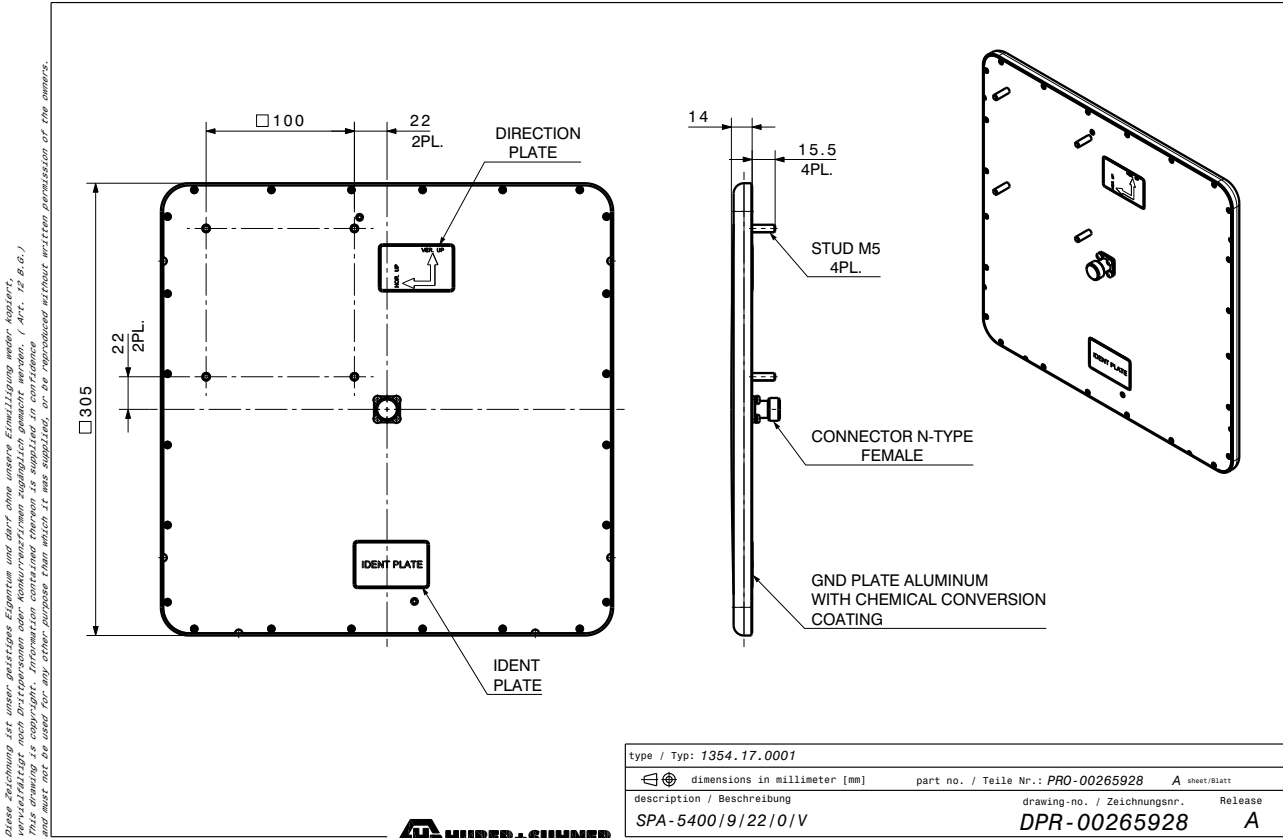
| Environmental data | |
|--------------------------------|------------------|
| Operation temperature | -45 °C ... 70 °C |
| Storage temperature | -45 °C ... 70 °C |
| Environment (application) | Indoor/Outdoor |
| Ingress protection (IP Rating) | IP67 |
| Flammability rating | UL 94-HB |

| Environmental remarks | |
|---|--|
| Temperature condition low -55°, IEC 60068-2-1 | |
| Temperature condition high +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 | |

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Outline drawing



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