

SENCITY® SC Panel

852626

Properties

- 2-Port Panel Antenna
- Frequency Range 380-500 MHz
- Dual Polarization (X-Pol)
- Half-power Beam Width 65°
- Gain 12 dBi

**Electrical data**

| | Band 1 | Band 2 |
|-------------------------|---------------------|---------------------|
| Frequency | 380 MHz ... 430 MHz | 430 MHz ... 500 MHz |
| Impedance | 50 Ω | 50 Ω |
| VSWR | 1.5 | 1.5 |
| Gain | 11.5 dBi | 12 dBi |
| HPBW vertical | 37 ° | 32 ° |
| HPBW horizontal | 68 ° | 65 ° |
| Isolation between Ports | 30 dB | 30 dB |
| Front to back ratio | 25 dB | 25 dB |
| Ambient Temperature | 50 °C | 50 °C |
| Composite Power max | 500 W | 500 W |

Electrical remarks

| | |
|---------|--|
| Remarks | IMD level -150 dBc at carrier power 2x 43dBm |
|---------|--|

Ports

| | Port 1 | Port 2 |
|--------------|---------------------|---------------------|
| Connector | 7/16, jack (female) | 7/16, jack (female) |
| Polarization | -45° slant | +45° slant |
| DC grounded | Yes | Yes |

Connections

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

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Mechanical data

| | |
|------------|---|
| Weight | 12 kg |
| Dimensions | 992 mm x 492 mm x 190 mm (Height x Width x Depth) |
| | Windload- frontal: 500 N at 150 km/h, lateral: 220 N at 150 km/h , Wind speed survival: 200 km/h |
| | Material: Reflector screen: Weather-proof aluminum. All screws and nuts: Stainless steel. |
| Remarks | Grounding: The metal parts of the antenna including the mounting kit and the inner conductors are DC grounded. |
| | Ice protection: Due to the very sturdy antenna construction and the protection of the radiating system by the radome, the antenna remains operational even under icy conditions. |

Material data

| | |
|--------------------------------|--------------------------------|
| Radome material | Glass Reinforced Plastic (GRP) |
| Radome colour | Grey |
| Back plate/base plate material | Aluminium |
| Back plate/base plate colour | Grey |

Environmental data

| | |
|---------------------------|---------|
| Environment (application) | Outdoor |
|---------------------------|---------|

Ordering information

| Item number | Item description |
|-------------|------------------|
| 84467194 | 852626 |

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