

**SENCITY® SC Panel Antenna**

91121514

**Properties**

- 2-Port Panel Antenna
- Frequency Range  
380-470MHz
- Dual Polarization (X-Pol)
- Half-power Beam Width  
65°
- Adjust. Electrical Downtilt  
0°-14°T
- Gain 14dBi



| Electrical data          |                     |                     |
|--------------------------|---------------------|---------------------|
|                          | Band 1              | Band 2              |
| Frequency                | 380 MHz ... 430 MHz | 430 MHz ... 470 MHz |
| Impedance                | 50 Ω                | 50 Ω                |
| VSWR                     | 1.5                 | 1.5                 |
| Gain                     | 13.5 dBi            | 14 dBi              |
| HPBW vertical            | 22 °                | 19 °                |
| HPBW horizontal          | 66 °                | 62 °                |
| Isolation between Ports  | 30 dB               | 30 dB               |
| Front to back ratio      | 25 dB               | 25 dB               |
| Co/Crosspolar Ratio      | 25 dB               | 25 dB               |
| Vertical Electrical Tilt | 14 °                | 14 °                |
| Ambient Temperature      | 50 °C               | 50 °C               |
| Composite Power max      | 400 W               | 400 W               |

| 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      | ✓      | ✓      |

**SENCITY® SC Panel Antenna**

91121514

| <b>Mechanical data</b> |                                                                                                                                                                                                                                               |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Weight                 | 22 kg                                                                                                                                                                                                                                         |
| Dimensions             | 1999 mm x 575 mm x 199 mm (Height x Width x Depth)                                                                                                                                                                                            |
| Remarks                | Windload frontal: 1160 N at 150 km/h, lateral: 480 N at 150 km/h ,<br>Wind speed survival: 200 km/h                                                                                                                                           |
|                        | Packing size (mm): 2250x640x225                                                                                                                                                                                                               |
|                        | Connector position: Bottom                                                                                                                                                                                                                    |
|                        | Grounding:<br>The metal parts of the antenna including the mounting kit and the inner conductors are DC grounded.                                                                                                                             |
|                        | Ice protection:<br>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.<br>Material:<br>Reflector screen: Weather-proof aluminum. |

| <b>Material data</b>           |                                |
|--------------------------------|--------------------------------|
| Radome material                | Glass Reinforced Plastic (GRP) |
| Radome colour                  | Grey                           |
| Back plate/base plate material | Aluminium                      |
| Back plate/base plate colour   | Grey                           |

| <b>Ordering information</b> |                  |
|-----------------------------|------------------|
| Item number                 | Item description |
| 84467229                    | 91121514         |

HUBER+SUHNER is certified by ISO 9001, ISO 14001, ISO 45001, IATF 16949, AS/EN 9100 and ISO/TS 22163-IRIS. Waiver: Facts and figures herein are for information only and do not represent any warranty of any kind.  
DOCUMENT PIM-P35402 / Date of publication: 15.01.2025 / uncontrolled copy