

SENCITY® Road IC MIMO

1399.99.0186

Properties

- Supports 2x2 MIMO for Wi-Fi and ready for Wi-Fi 6E
- Single hole mounting, low profile and vandalism proof.
- Works without metal ground plane
- ISO 16750, ECE-R118 compliant
- 3m of cable and FAKRA connector
- Supports 2x2 Cellular MIMO in 2.3 / 2.6 / 3.5 GHz bands



| Electrical bands | | | | |
|-------------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | Band 1 | Band 2 | Band 3 | Band 4 |
| Frequency | 2300 MHz ... 2500 MHz | 2500 MHz ... 2690 MHz | 3400 MHz ... 4200 MHz | 4900 MHz ... 5975 MHz |
| Impedance | 50 Ω | 50 Ω | 50 Ω | 50 Ω |
| VSWR | 1.5 | 1.5 | 1.8 | 1.5 |
| Gain | 2 dBi | 2 dBi | 2 dBi | 1 dBi |
| Isolation between Ports | 22 dB | 22 dB | 25 dB | 27 dB |
| Ambient Temperature | 25 °C | 25 °C | 25 °C | 25 °C |
| Composite Power max | 40 W | 40 W | 40 W | 30 W |

| | Band 5 |
|-------------------------|-----------------------|
| Frequency | 5975 MHz ... 7125 MHz |
| Impedance | 50 Ω |
| VSWR | 1.7 |
| Gain | 0 dBi |
| Isolation between Ports | 30 dB |
| Ambient Temperature | 25 °C |
| Composite Power max | 20 W |

| Ports | |
|--------------|----------------------------|
| | Cell / WiFi 1 to 2 (white) |
| Connector | FAKRA, jack (female) |
| Cable type | ENVIROFLEX_316_D-AM |
| Cable length | 3 m |

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| Ports | |
|--------------|----------------------------|
| | Cell / WiFi 1 to 2 (white) |
| Polarization | vertical |

| Connections | |
|-------------|----------------------------|
| | Cell / WiFi 1 to 2 (white) |
| Band 1 | ✓ |
| Band 2 | ✓ |
| Band 3 | ✓ |
| Band 4 | ✓ |
| Band 5 | ✓ |

| Mechanical data | |
|-----------------|--|
| Weight | 0.9 kg |
| Dimensions | 33.2 mm x 145 mm (Height x Diameter) |
| Remarks | Ground plane: Antenna works on metallic as well as on non-metallic ground plane. Indicated gain values are valid for an antenna mounted on metallic ground plane of 0.5m diameter. |

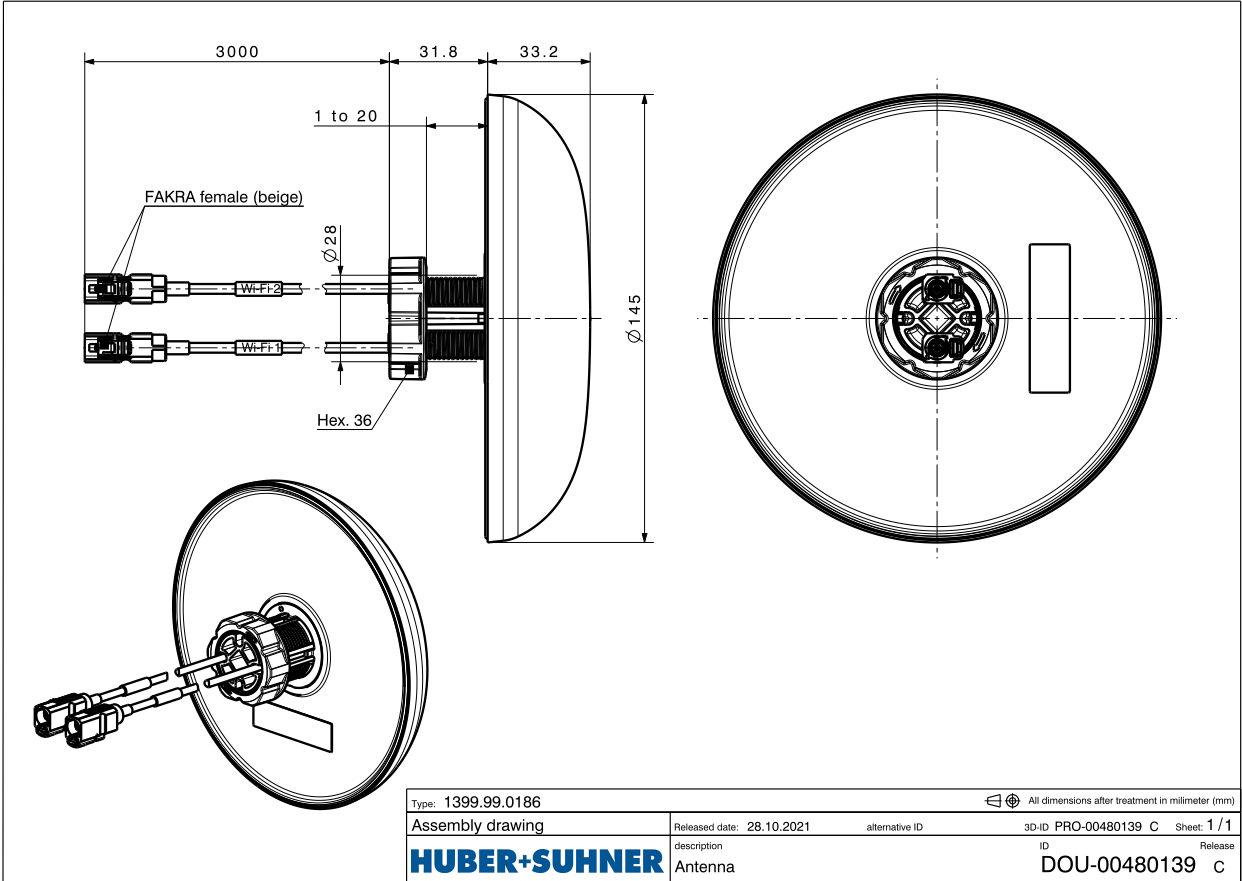
| Interface and material data | |
|-----------------------------|-------------------------------|
| Radome material | Reinforced PC (Polycarbonate) |
| Radome colour | RAL 7044 (grey) |

| Environmental data | |
|--------------------------------|----------------------|
| Operation temperature | -40 °C ... 85 °C |
| Storage temperature | -40 °C ... 85 °C |
| Transport temperature | -40 °C ... 85 °C |
| Ingress protection (IP Rating) | Mated / IP68, IP69 |
| Flammability rating | ECE-R118 |
| Solar radiation | DIN 75220 |
| Standards | Automotive ISO 16750 |

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Outline drawing



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