



HUBER+SUHNER® PLANAR ANTENNA FOR WIRELESS COMMUNICATION



SPA 1900/70/8/0/LCP

Technical Data

Electrical Properties

| | |
|---------------------------|-------------------|
| Frequency range | 1850 - 1990 MHz |
| Impedance | 50 Ω |
| VSWR | 1.5 |
| Polarization | circular, left |
| Gain | 8.0 dBi |
| 3 dB beamwidth horizontal | 70° |
| 3 dB beamwidth vertical | 70° |
| Downtilt | 0° |
| Front to back ratio | 20 dB |
| Axial ratio | 3 dB |
| Max. power | 75 W (CW) at 25°C |

Mechanical & Environmental Properties

| | |
|-----------------------------|---|
| Dimensions | 101 x 95 x 32 mm (3.98" x 3.74" x 1.26") |
| Weight | 0.11 kg (0.24 lbs.) |
| Radome material | ASA |
| Radome colour | RAL 7035 (light grey) |
| Mounting socket material | ASA and aluminium |
| Mounting socket colour | RAL 7042 (dark grey) |
| Back/base plane material | aluminium |
| 2002/95/EC (RoHS) | compliant |
| Operating temperature range | - 40°C to + 80°C |
| Storage temperature range | - 40°C to + 80°C |
| Windload | 15 N at 160 km/h (100 mph) |

Available Types

| Available Types | Article no. | |
|-----------------|-------------|------------|
| 1319.19.0004 | 22650455 | SMA female |
| 1319.26.0003 | 22651180 | TNC female |

Wall mounting material included

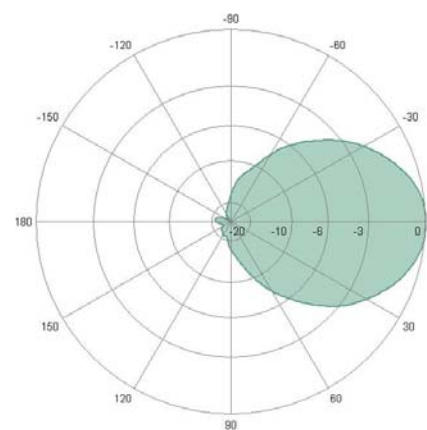
Mounting Hardware

| Mounting Hardware | Article no. | |
|-------------------|-------------|--------------------------------------|
| 9091.99.0029 | 22649576 | mast mounting accessory |
| 9091.99.0080 | 22652651 | mast mounting and sidetilt accessory |

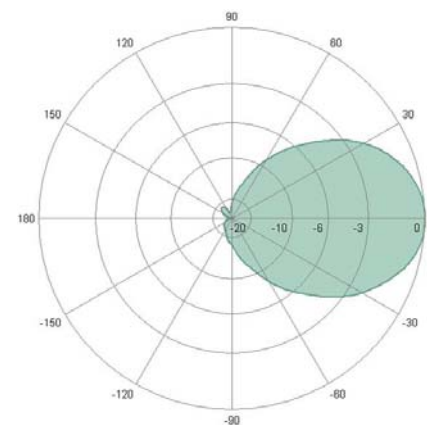
Documents

| Documents | |
|------------|----------------------|
| 01.02.0777 | security instruction |
| 01.02.1509 | mounting instruction |

Radiation Pattern



horizontal



vertical

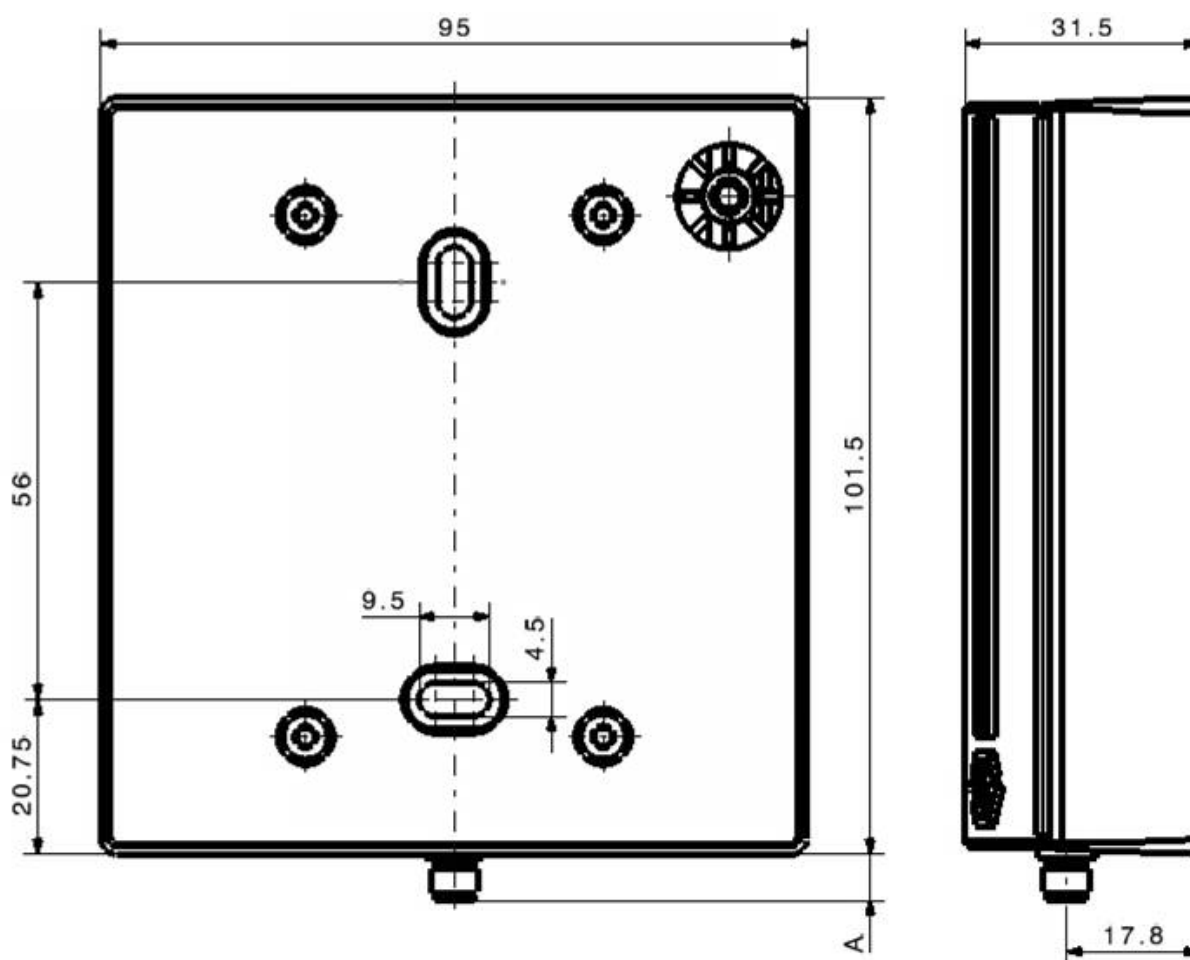


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Dimensions (mm)

| Connector type | A |
|----------------|------|
| SMA female | 6.2 |
| TNC female | 12.1 |



HUBER+SUHNER is certified according to ISO 9001 and ISO 14001

WAIVER!

It is exclusively in written agreements that we provide our customers with warrants and representations as to the technical contained specifications and/or the fitness for any particular purpose. The facts and figures herein are carefully compiled to the best of our knowledge, but they are intended for general informational purposes only.

HUBER+SUHNER – Excellence in Connectivity Solutions

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