

Band II 2 dipoles horizontal polarization panel • Especially suitable for triangular masts

Electrical Specifications

| | | | |
|------------------------|----------------------------------|--------------------------------|-----------|
| Frequency range | 87.5-108 MHz | | |
| Peak gain | 7.0 dB (ref. $\lambda/2$ dipole) | | |
| 3 dB beam width | E-plane: 78° | H-plane: 60° | |
| Polarization | Horizontal | | |
| Impedance | 50 Ohm | | |
| VSWR | ≤1.22:1 | | |
| Maximum power handling | 2.5 kW | 5 kW | 7 kW |
| Connector type | DIN 7/16 | EIA 7/8" | DIN 13/30 |
| Pressurization | Non pressurized | Gas barrier on input connector | |

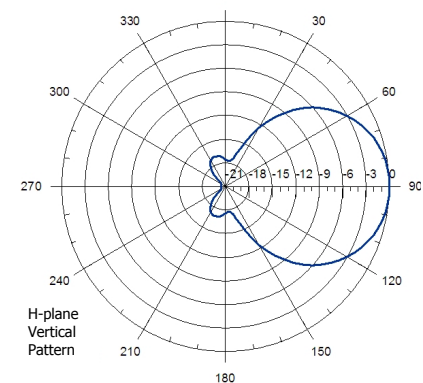
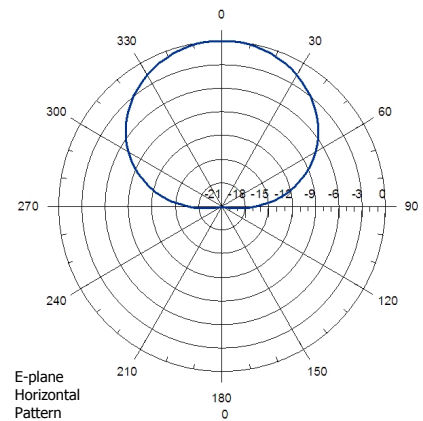


Mechanical & Environmental Specifications

| | | |
|------------------------|---------------------------------|--|
| Materials | Structure Feed points radome | Hot dip galvanized steel Fiberglass |
| Dimensions (W x D x H) | 1700 x 800 x 2214 mm | |
| Maximum wind speed | 200 km/h | |
| Wind load (front) | 1515 N (@160 km/h) | |
| Wind load (lateral) | 796 N (@160 km/h) | |
| Weight | 65 kg | |
| Typical mounting | Triangular arrangement tower | |
| Clamp type | To Ø 80 – 115 mm pipe | |
| Vertical spacing | 3200 mm | |
| Grounding | DC grounded | |
| Temperature range | -40°C to +80°C | |
| Humidity | 100% | |

Antenna System Characteristics

| Number of Bays | Number ant. per bay | Peak gain (dBd) | Weight (kg) | Wind load (@160 km/h) | System height (mm) |
|----------------|---------------------|-----------------|-------------|-----------------------|--------------------|
| 1 | 2 | 4.0 | 130 | 2.9 kN | 2214 |
| | 3 | 2.2 | 195 | 4.4 kN | |
| 2 | 2 | 7.0 | 260 | 5.8 kN | 5414 |
| | 3 | 5.2 | 390 | 8.8 kN | |
| 4 | 2 | 10.0 | 520 | 11.6 kN | 11814 |
| | 3 | 8.3 | 780 | 17.6 kN | |
| 6 | 2 | 11.8 | 780 | 17.4 kN | 18214 |
| | 3 | 10.0 | 1170 | 26.5 kN | |
| 8 | 2 | 13.0 | 1040 | 23.1 kN | 24614 |
| | 3 | 11.3 | 1560 | 35.3 kN | |



NOTES:

- Table supplies data up to 8 bays only for simplification purposes; systems with more bays are available.
- Null fill, beam tilt, harness & feeder losses NOT INCLUDED.
- Wind load & weight figures without considering cables, splitters & hardware.