

| | |
|------------------------|-------------|
| Frequency Range | 4x1710-2690 |
| Polarization | ±45° |
| Horizontal Beam Center | -29°, +29° |
| Half-Power Beam Width | 30° |

Single Band Cylinder 4x1710-2690 20dBi, 2 beam, 30-degree Antenna

Electrical Specifications

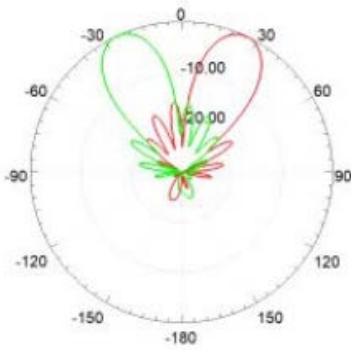
| Frequency range (MHz) | 4x1710-2690 | |
|-------------------------------------|-------------|-----------|
| | 1710-2200 | 2200-2690 |
| Polarization | ±45 | |
| Gain (dBi) | 15 ±1 | 17 ±1 |
| Sidelobe Suppression (dB) | 13 | 13 |
| Horizontal Plane 3dB Beamwidth (°) | 28±4 | 23±3 |
| Horizontal Plane 10dB Beamwidth (°) | 47±5 | 39±3 |
| Vertical Plane 3dB Beamwidth (°) | 26±4 | 23±3 |
| Vertical Plane 10dB Beamwidth (°) | 46±5 | 39±4 |
| Horizontal beam centers (°) | -29, +29 | |
| Beam Quantity | 2 | |
| VSWR | ≤1.5 | |
| Isolation Between Polarization (dB) | ≥25 | |
| Isolation Between Beam Port (dB) | ≥23 | |
| Front to Back Ratio (dB) | ≥25 | |
| Intermodulation IM3 dBc (2×43dBm) | ≤-150 | |
| Power Rating (W) | 4 x 180W | |
| Input Impedance (Ω) | 50 | |
| Lighting Protection | DC Ground | |



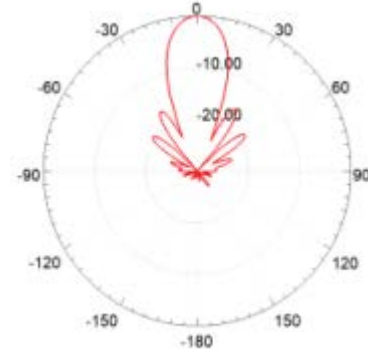
Mechanical Specifications

| | |
|---------------------------------|------------------------|
| Radome Material | UPVC |
| Connector Type and Location | 4.3-10 Female x8Bottom |
| Mechanical Downtilt (°) | 0-20 |
| Dimensions, HxWxD (mm) | 740×400×400 |
| Packing Size (mm) | 965×515×515 |
| Net Weight (Kg) | 11 |
| Gross Weight (Kg) | 17.6 |
| Clip Weight (Kg) | 2.8 |
| Max. Wind Velocity(m/s) | 55 |
| Mounting hardware Diameter (mm) | ∅ 40 mm ~ ∅ 114 mm |
| Operational Temperature(°C) | -40 to +70 |
| Operational Humidity (%) | <95 |

Radiation Pattern (1710 -2690 MHz)



Horizontal Pattern



Vertical Pattern