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|------------------------|-------------|
| Frequency Range | 2x1710-2690 |
| Polarization | ±45° |
| Horizontal Beam Center | -13°, +13° |
| Half-Power Beam Width | 15° |

Single Band Spherical 2x1710-2690 20dBi, 2 beam, 15-degree Antenna

Electrical Specifications

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|-------------------------------------|-------------|
| Frequency range (MHz) | 2x1710-2690 |
| Polarization | ±45 |
| Gain (dBi) | 20 ±1 |
| Sidelobe Suppression (dB) | ≥15 |
| Horizontal Plane 3dB Beamwidth (°) | 15±4 |
| Horizontal Plane 10dB Beamwidth (°) | 28±3 |
| Vertical Plane 3dB Beamwidth (°) | 15±4 |
| Vertical Plane 10dB Beamwidth (°) | 28±3 |
| Horizontal beam centers (°) | -13, +13 |
| Beam Quantity | 1 |
| VSWR | ≤1.5 |
| Isolation Between Polarization (dB) | ≥25 |
| Isolation Between Beam port(dB) | ≥23 |
| Front to Back Ratio (dB) | ≥25 |
| Intermodulation IM3 dBc (2x43dBm) | ≤-150 |
| Power Rating (W) | 4 x 100W |
| Input Impedance (Ω) | 50 |
| Lighting Protection | DC Ground |

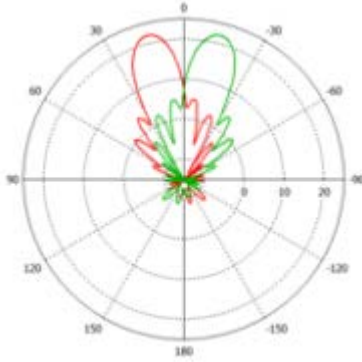


Mechanical Specifications

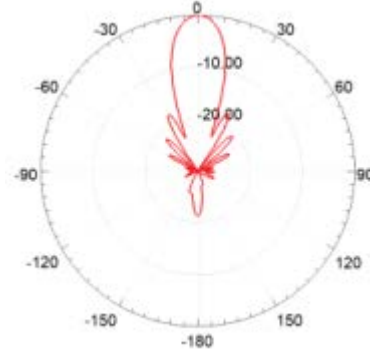
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|---------------------------------|-------------------------|
| Radome Material | ASA |
| Connector Type and Location | 4.3-10 Female x4 Bottom |
| Mechanical Downtilt (°) | 0-20 |
| Dimensions, HxWxD (mm) | 690x645x645 |
| Packing Size (mm) | 825x730x860 |
| Net Weight (Kg) | <14.5 |
| Gross Weight (Kg) | <28.4 |
| Clip Weight (Kg) | 2.81 |
| Max. Wind Velocity(m/s) | 55 |
| Mounting hardware Diameter (mm) | ∅ 40 mm ~ ∅ 114 mm |
| Operational Temperature(°C) | -40 to +70 |
| Operational Humidity (%) | <95 |

| | |
|------------------------|------------------------|
| Frequency Range | 2x1710-2690 |
| Polarization | $\pm 45^\circ$ |
| Horizontal Beam Center | $-13^\circ, +13^\circ$ |
| Half-Power Beam Width | 15° |

Radiation Pattern (1710 -2690 MHz)



Horizontal Pattern



Vertical Pattern