

|                        |                            |
|------------------------|----------------------------|
| Frequency Range        | 2x1710-2170<br>4x3300-3600 |
| Polarization           | ±45°                       |
| Horizontal Beam Center | 0°                         |
| Half-Power Beam Width  | 25°                        |

Dual Band Cylinder 2x1710-2170/4x3300-3600 20dBi, 1 beam, 25-degree Antenna

### Electrical Specifications

| Frequency range (MHz)               | 2x1710-2170 | 4x3300-3600 |
|-------------------------------------|-------------|-------------|
| Polarization                        | ±45         |             |
| Gain (dBi)                          | 15 ±1       | 17 ±1       |
| Sidelobe Suppression (dB)           | 15          | 15          |
| Horizontal Plane 3dB Beamwidth (°)  | 24±4        | 24±3        |
| Horizontal Plane 10dB Beamwidth (°) | 47±5        | 32±4        |
| Vertical Plane 3dB Beamwidth (°)    | 26±4        | 15±3        |
| Vertical Plane 10dB Beamwidth (°)   | 46±5        | 26±6        |
| Horizontal beam centers (°)         | 0           |             |
| Beam Quantity                       | 1           |             |
| VSWR                                | ≤1.5        |             |
| Isolation Between Polarization (dB) | ≥25         |             |
| Front to Back Ratio (dB)            | ≥25         |             |
| Intermodulation IM3 dBc (2×43dBm)   | ≤-150       |             |
| Power Rating (W)                    | 12 x 180W   |             |
| Input Impedance (Ω)                 | 50          |             |
| Lighting Protection                 | DC Ground   |             |

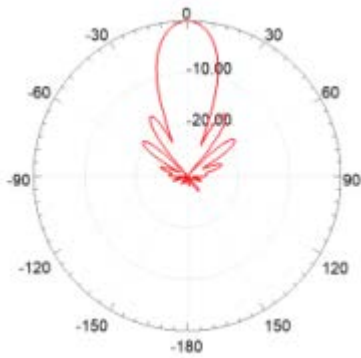


### Mechanical Specifications

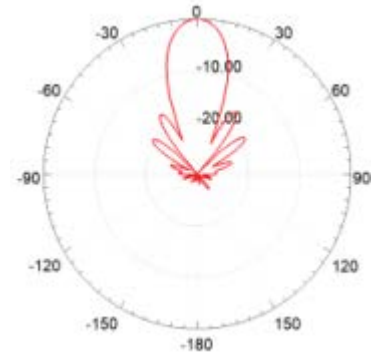
|                                 |                          |
|---------------------------------|--------------------------|
| Radome Material                 | UPVC                     |
| Connector Type and Location     | 4.3-10 Female x12 Bottom |
| Mechanical Downtilt (°)         | 0-12                     |
| Dimensions, HxWxD (mm)          | 1426×400×400             |
| Packing Size (mm)               | 1650×515×515             |
| Net Weight (Kg)                 | 18.2                     |
| Gross Weight (Kg)               | 28                       |
| Clip Weight (Kg)                | 5.8                      |
| Max. Wind Velocity(m/s)         | 55                       |
| Mounting hardware Diameter (mm) | ∅ 40 mm ~ ∅ 114 mm       |
| Operational Temperature(°C)     | -40 to +70               |
| Operational Humidity (%)        | <95                      |

|                        |                            |
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Radiation Pattern (1710 -2170 MHz/3300-3600MHz)



Horizontal Pattern



Vertical Pattern