

## Type LC102-1Z-0R30

Single Band Cylinder 1710-2690 16dBi, 1 beam, 30-degree Antenna

## Electrical Specifications

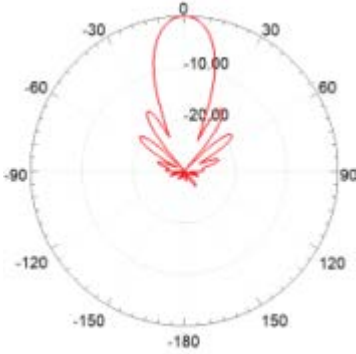
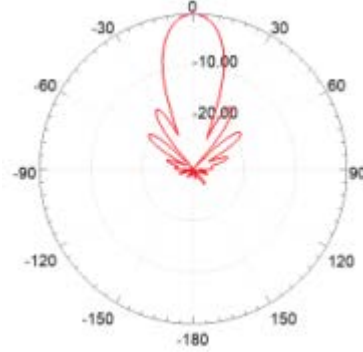
| Frequency range (MHz)                        | 1710-2690    |              |
|----------------------------------------------|--------------|--------------|
|                                              | 1710-2200    | 2200-2690    |
| Polarization                                 | $\pm 45$     |              |
| Gain (dBi)                                   | 15.5 $\pm$ 1 | 16.5 $\pm$ 1 |
| Sidelobe Suppression (dB)                    | 13           | 13           |
| Horizontal Plane 3dB Beamwidth ( $^\circ$ )  | 28 $\pm$ 4   | 23 $\pm$ 3   |
| Horizontal Plane 10dB Beamwidth ( $^\circ$ ) | 47 $\pm$ 5   | 39 $\pm$ 4   |
| Vertical Plane 3dB Beamwidth ( $^\circ$ )    | 26 $\pm$ 4   | 23 $\pm$ 3   |
| Vertical Plane 10dB Beamwidth ( $^\circ$ )   | 46 $\pm$ 5   | 39 $\pm$ 4   |
| Horizontal beam centers ( $^\circ$ )         | 0            |              |
| Beam Quantity                                | 1            |              |
| VSWR                                         | $\leq 1.5$   |              |
| Isolation Between Polarization (dB)          | $\geq 25$    |              |
| Front to Back Ratio (dB)                     | $\geq 25$    |              |
| Intermodulation IM3 dBc (2 $\times$ 43dBm)   | $\leq -150$  |              |
| Power Rating (W)                             | 2 x 200W     |              |
| Input Impedance ( $\Omega$ )                 | 50           |              |
| Lighting Protection                          | DC Ground    |              |



## Mechanical Specifications

|                                      |                                            |
|--------------------------------------|--------------------------------------------|
| Radome Material                      | UPVC                                       |
| Connector Type and Location          | 4.3-10 Female x2 Bottom                    |
| Mechanical Downtilt ( $^\circ$ )     | 0-20                                       |
| Dimensions, HxWxD (mm)               | 394 $\times$ 400 $\times$ 400              |
| Packing Size (mm)                    | 620 $\times$ 515 $\times$ 515              |
| Net Weight (Kg)                      | 6.5                                        |
| Gross Weight (Kg)                    | 12.4                                       |
| Clip Weight (Kg)                     | 2.8                                        |
| Max. Wind Velocity(m/s)              | 55                                         |
| Mounting hardware Diameter (mm)      | $\varnothing$ 40 mm ~ $\varnothing$ 114 mm |
| Operational Temperature( $^\circ$ C) | -40 to +70                                 |
| Operational Humidity (%)             | <95                                        |

## Radiation Pattern (1710 -2690 MHz)

Horizontal PatternVertical Pattern