

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

## Electrical Specifications

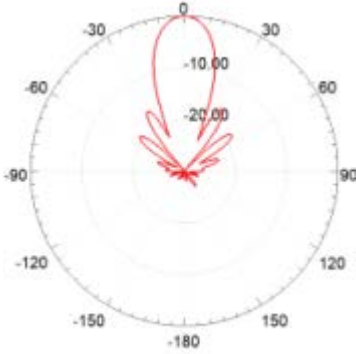
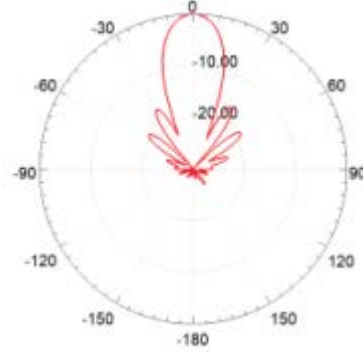
Frequency range (MHz)	1710-2690	
	1710-2200	2200-2690
Polarization	$\pm 45$	
Gain (dBi)	15.5 $\pm$ 1	16.5 $\pm$ 1
Sidelobe Suppression (dB)	13	13
Horizontal Plane 3dB Beamwidth ( $^\circ$ )	28 $\pm$ 4	23 $\pm$ 3
Horizontal Plane 10dB Beamwidth ( $^\circ$ )	47 $\pm$ 5	39 $\pm$ 4
Vertical Plane 3dB Beamwidth ( $^\circ$ )	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