

Single Band Cylinder 2x1710-2690 20dBi, 1 beam, 30-degree Antenna

Electrical Specifications

Frequency range (MHz)	2x1710-2690	
	1710-2200	2200-2690
Polarization	± 45	
Gain (dBi)	15 ± 1	17 ± 1
Sidelobe Suppression (dB)	13	13
Horizontal Plane 3dB Beamwidth ($^\circ$)	28 ± 4	23 ± 3
Horizontal Plane 10dB Beamwidth ($^\circ$)	47 ± 5	39 ± 3
Vertical Plane 3dB Beamwidth ($^\circ$)	26 ± 4	23 ± 3
Vertical Plane 10dB Beamwidth ($^\circ$)	46 ± 5	39 ± 4
Horizontal beam centers ($^\circ$)	0	
Beam Quantity	1	
VSWR	≤ 1.5	
Isolation Between Polarization (dB)	≥ 25	
Front to Back Ratio (dB)	≥ 25	
Intermodulation IM3 dBc (2x43dBm)	≤ -150	
Power Rating (W)	4 x 180W	
Input Impedance (Ω)	50	
Lighting Protection	DC Ground	

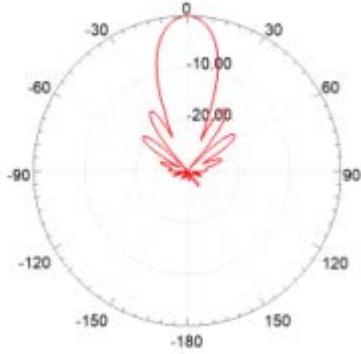


Mechanical Specifications

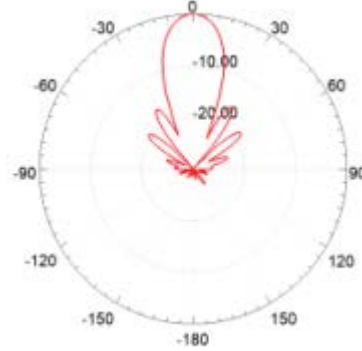
Radome Material	UPVC
Connector Type and Location	4.3-10 Female x4 Bottom
Mechanical Downtilt ($^\circ$)	0-20
Dimensions, HxWxD (mm)	744x400x400
Packing Size (mm)	970x515x515
Net Weight (Kg)	10.6
Gross Weight (Kg)	17
Clip Weight (Kg)	2.8
Max. Wind Velocity(m/s)	55
Mounting hardware Diameter (mm)	$\varnothing 40 \text{ mm} \sim \varnothing 114 \text{ mm}$
Operational Temperature($^\circ\text{C}$)	-40 to +70
Operational Humidity (%)	<95

Frequency Range	2x1710-2690
Polarization	±45°
Horizontal Beam Center	0°
Half-Power Beam Width	30°

Radiation Pattern (1710 -2690 MHz)



Horizontal Pattern



Vertical Pattern