

Single Band Cylinder 4x1710-2690 20dBi, 1 beam, 30-degree Antenna

Electrical Specifications

Frequency range (MHz)	4x1710-2690	
	1710-2200	2200-2690
Polarization	±45	
Gain (dBi)	15.5 ±1	16.5 ±1
Sidelobe Suppression (dB)	13	13
Horizontal Plane 3dB Beamwidth (°)	28±4	23±3
Horizontal Plane 10dB Beamwidth (°)	47±5	39±3
Vertical Plane 3dB Beamwidth (°)	26±4	23±3
Vertical Plane 10dB Beamwidth (°)	46±5	39±4
Horizontal beam centers (°)	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)	8 x 180W	
Input Impedance (Ω)	50	
Lighting Protection	DC Ground	

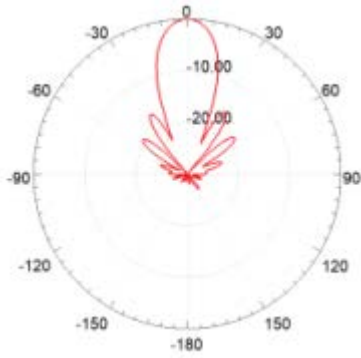


Mechanical Specifications

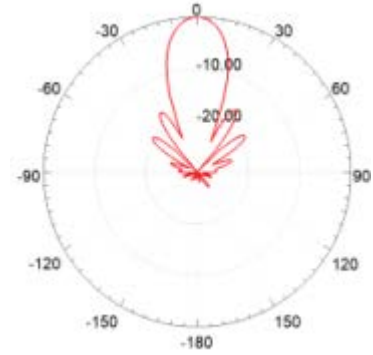
Radome Material	UPVC
Connector Type and Location	4.3-10 Female x8 Bottom
Mechanical Downtilt (°)	0-14
Dimensions, HxWxD (mm)	1534×400×400
Packing Size (mm)	1800×515×515
Net Weight (Kg)	19
Gross Weight (Kg)	30
Clip Weight (Kg)	5.8
Max. Wind Velocity(m/s)	55
Mounting hardware Diameter (mm)	∅ 40 mm ~ ∅ 114 mm
Operational Temperature(°C)	-40 to +70
Operational Humidity (%)	<95

Frequency Range	4x1710-2690
Polarization	$\pm 45^\circ$
Horizontal Beam Center	0°
Half-Power Beam Width	30°

Radiation Pattern (1710 -2690 MHz)



Horizontal Pattern



Vertical Pattern