

74212045

Log Periodic Antenna
698-2700 / 3300-4200
12dBi/15dBi

Log Periodic Antenna
 H/V-Pol 4-port
 12/15dBi
 698-4200

Preliminary

Type	74212045				
Port/Band	Port 2 (V-Pol) & 3 (H-Pol)			Port 1 (+45°) & 4 (-45°)	
Frequency Range (MHz)	698-960	1425-2170	2170-2700	3300-3800	3800-4200
Gain (dBi, typ.)	11	12.1	11.8	14.6	13.5
VSWR	≤ 1.8	≤ 1.6	≤ 1.6	≤ 1.6	≤ 1.6
Polarization	Vertical / Horizontal			±45°	
PIM3 (dBc), @2x43dBm	≤ -150				
Horizontal Beamwidth (°)	60	58	61	27	31
Vertical Beamwidth (°)	47	42	44	23	23
Isolation (dB)	≥ 20	≥ 24	≥ 28	≥ 28	≥ 28
Front-to-Back Ratio (dB)	≥ 20	≥ 26	≥ 24	≥ 25	≥ 22
Input Impedance (Ω)	50				
Max. Input Power (W)	200				
Lightning Protection	DC Grounded				
Connector Type	4 x 4.3-10 Female				
Dimension (mm)	303 x 303 x 785				
Weight (kgs)	5				
Reflector Material	Copper				
Radome Material	Fiber Glass (RAL7035)				
Ingress protection	IP56				
Rated Wind Velocity (km/h)	200				
Operating Temperature (°C)	-40 to +65				
Wind Load (N) (@150km/h Wind Speed)	Frontal: 58.8 Lateral: 185.2 Rearside: 96.4				
Mounting	4 x M12 Threaded Rods (L=162mm) with Washers and Nuts 2 sets of brackets included for pole size Ø38-Ø70mm All mounting materials and accessories in 316 stainless steel				



Complaint to Environmental Standards	Dry Heat	GB/T 2423.2	(IEC 60068-2-2)
	Cold	GB/T 2423.1	(IEC 60068-2-1)
	Damp Heat	GB/T 2423.3	(IEC 60068-2-78)
	Change of Temperature	GB/T 2423.22	(IEC 60068-2-14)
	Salt Mist	GB/T 2423.17	(IEC 60068-2-11)
	Ingress Protection	GB/T 4208	(IEC 60529)
	Vibration	GB/T 2423.10	(IEC 60068-2-64)
	Drop Test	GB/T 2423.8 & 4857.5	(ISO 2248)

Typical Radiation Patterns

