

1XD-790-960-65-15i-M14

Model: LE1011



Electrical Specifications									
Frequency range (MHz)	790-960								
	790-862			824-894			880-960		
Polarization	$\pm 45^\circ$								
Electrical downtilt ($^\circ$)	0 – 14								
Tilt ($^\circ$)	0	7	14	0	7	14	0	7	14
Gain (dBi)	14.5	14.6	14.3	14.7	14.8	14.4	14.8	15.0	14.6
1 st USLS (Min.) (dB)	16	15	15	16	16	17	16	16	16
Horizontal 3dB beamwidth ($^\circ$)	67			66			64		
Vertical 3dB beamwidth ($^\circ$)	14.4			13.9			13.2		
Front to back, co-polar (Typ.) (dB)	>30								
Cross polar ratio (Typ.) (dB)	0 $^\circ$			20					
	$\pm 60^\circ$			10					
VSWR RL (dB)	<1.5 >14								
Isolation between ports (dB)	≥ 30								
Max. power per input (W)	500 (at 50 $^\circ$ C environmental temperature)								
Intermodulation IM3 (dBc)	≤ -153 (2 \times 20 W carrier)								
Impedance(Ω)	50								
Lightning protection	DC Grounded								



Mechanical Specifications		
Connector	2 \times 7/16 DIN Female	
Connector position	Bottom	
Dimensions H \times W \times D (in) (mm)	56.1 \times 10.2 \times 5.1 1425 \times 260 \times 130	
Weight (lb) (kg)	27.5 12.5	
Mechanical downtilt ($^\circ$)	0-12	
Mast diameter supported(in) (mm)	2.0-4.5 50-115	
Radome material / color	PVC / Light grey	
Operational temperature ($^\circ$ C)	-55~+65	
Wind load (lbf) (N)	Front	119.1 530 (at 150 km/h)
	Side	59.6 265 (at 150 km/h)
	Rear	138.2 615 (at 150 km/h)
Max. operational wind speed (mph) (km/h)	93 150	
Survival wind speed (mph) (km/h)	124 200	

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All specifications are subject to change without notice. Please contact your APG representative for complete performance data.