

1XD-690-960-65-16i-M12

Model: LE1022



Electrical Specifications												
Frequency range (MHz)	690-960											
	690-806			790-862			824-894			880-960		
Polarization	±45°											
Electrical downtilt (°)	0 – 12											
Tilt (°)	0	6	12	0	6	12	0	6	12	0	6	12
Gain (dBi)	15.1	15.2	15.0	15.6	15.7	15.5	15.9	16.0	15.9	16.2	16.2	15.9
1 st USLS (Min.) (dB)	17	16	15	17	17	15	17	17	15	17	17	15
Horizontal 3dB beamwidth (°)	68			64			63			61		
Vertical 3dB beamwidth (°)	12.7			11.3			10.8			10.2		
Front to back, co-polar (Typ.) (dB)	>30											
Cross polar ratio (Typ.) (dB)	0°			18								
	±60°			8								
VSWR RL (dB)	<1.5 >14											
Isolation between ports (dB)	≥30											
Max. power per input (W)	500 (at 50° C environmental temperature)											
Intermodulation IM3 (dBc)	≤ -153 (2×20 W carrier)											
Impedance(Ω)	50											
Lightning protection	DC Grounded											



Mechanical Specifications		
Connector	2×7/16 DIN Female	
Connector position	Bottom	
Dimensions H×W×D (in) (mm)	76.9×12.5×5.0 1955×318×128	
Weight (lb) (kg)	35.0 15.9	
Mechanical downtilt (°)	0-10	
Mast diameter supported (in) (mm)	2.0-4.5 50-115	
Radome material / color	Fiberglass / Light grey	
Operational temperature (°C)	-55~+65	
Wind load (lbf) (N)	Front	186.6 830 (at 150 km/h)
	Side	74.2 330 (at 150 km/h)
	Rear	191.1 850 (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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