

Electrical Specifications												
Frequency range (MHz)	690-960											
	690-806			790-862			824-894			880-960		
Polarization	±45°											
Electrical downtilt (°)	0 – 10											
Tilt (°)	0	5	10	0	5	10	0	5	10	0	5	10
Gain (dBi)	16.4	16.5	16.3	16.7	16.8	16.6	16.8	16.9	16.8	17.2	17.3	17.2
1 st USLS (Min.) (dB)	17	16	15	17	16	16	17	16	16	17	16	16
Horizontal 3dB beamwidth (°)	68			67			66			65		
Vertical 3dB beamwidth (°)	8.8			7.9			7.6			6.9		
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)	101.6×12.5×5.0 2580×318×128	
Weight (lb) (kg)	41.9 19.0	
Mechanical downtilt (°)	0-12	
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	191.0 850 (at 150 km/h)
	Side	78.7 350 (at 150 km/h)
	Rear	197.8 880 (at 150 km/h)
Max. operational wind speed (mph) (km/h)	93 150	
Survival wind speed (mph) (km/h)	124 200	

1XD-690-960-65-17i-M10

Model: LE1023

