

Electrical Specifications												
Frequency range (MHz)	1690-2690											
	1690-1990			1920-2200			2200-2490			2490-2690		
Polarization	±45°											
Electrical downtilt (°)	0 – 14											
Tilt (°)	0	7	14	0	7	14	0	7	14	0	7	14
Gain (dBi)	15.2	15.4	15.1	15.5	15.6	15.3	15.9	16.0	15.7	15.8	16.0	15.6
1 st USLS (Min.) (dB)	17	17	16	17	17	16	17	16	16	17	16	16
Horizontal 3dB beamwidth (°)	68			68			67			66		
Vertical 3dB beamwidth (°)	12.4			11.9			10.5			9.6		
Front to back, co-polar (Typ.) (dB)	>28											
Cross polar ratio (Typ.) (dB)	0°			20								
	±60°			10								
VSWR RL (dB)	<1.5 >14											
Isolation between ports (dB)	≥30											
Max. power per input (W)	250 (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)	32.5×6.5×3.5 825×165×90	
Weight (lb) (kg)	8.6 3.9	
Mechanical downtilt (°)	0-17	
Mast diameter supported (in) (mm)	2.0-4.5 50-115	
Radome material / color	PVC / Light grey	
Operational temperature (°C)	-55~+65	
Wind load (lbf) (N)	Front	43.8 195 (at 150 km/h)
	Side	23.6 105 (at 150 km/h)
	Rear	50.6 225 (at 150 km/h)
Max. operational wind speed (mph) (km/h)	93 150	
Survival wind speed (mph) (km/h)	124 200	

1XD-1690-2690-65-18i-M10

Model: HE1021

