

Electrical Specifications									
Frequency range (MHz)	1710-2170								
	1710-1880			1850-1990			1920-2170		
Polarization	± 45°								
Electrical downtilt (°)	0 – 10								
Tilt (°)	0	5	10	0	5	10	0	5	10
Gain (dBi)	20.0	20.2	20.0	20.3	20.5	20.2	20.5	20.8	20.4
1 st USLS (Min.) (dB)	17	16	16	17	16	16	17	16	16
Horizontal 3dB beamwidth (°)	35			33			31		
Vertical 3dB beamwidth (°)	7.0			6.6			6.2		
Front to back, co-polar (Typ.) (dB)	>30								
Cross polar ratio (Typ.) (dB)	20								
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)	55.2× 11.3× 3.7 1403× 286× 95	
Weight (lb) (kg)	25.3 11.5	
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	124.8 555 (at 150 km/h)
	Side	41.6 185 (at 150 km/h)
	Rear	143.9 640 (at 150 km/h)
Max. operational wind speed (mph) (km/h)	93 150	
Survival wind speed (mph) (km/h)	124 200	

1XD-1710-2170-33-21i-M10

Model: HE1030

