



ELECTRICAL SPECIFICATON

Model	AL-FA120K	
	Ku-Band	
	Receive	Transmit
Operating Frequency, Ghz	10.95-12.75	13.75-14.5
Gain, Mid-band, dBi	41.5	43
Polarization	Linear	
VSWR	1.25:1	1.25:1
Beam Width	1.4°	1.2°
Power Handling Capability	1kw/port	
Feed Interface	WR-75	WR-75
Feed Insertion Loss	0.2	0.3
Isolation, Tx to Rx, dB	85	

Cross Polarization Isolation	33
First Sidelobes	-14dB

MECHANICAL SPECATION

Antenna Diameter	1.2m
Antenna type	Off-set
Mount Type	El. over Az.
Surface Accuracy (RMS)	≤0.3 mm
Drive mode	Manual Drive
Antenna Pointing Range	
Azimuth	0°-360°
Elevation	8 °– 90°
Polarization	±90°
Net weight	17KG
Panel QTY	6 pcs

ENVIRONMENTAL SPECIFICATION

Operation Wind	25m/s
Survival Wind	56m/s
Temperature	-40°– 60°
Relative Humidity	100 %
Solar Radiation	360BTU/H/ft2

