



ELECTRICAL SPECIFICATON			
Model		CF-FA120K	
		Ku-Band	
Operating Frequency. Ghz		Receive	Transmit
		10.95-12.75	13.75-14.5
Gain, Mid-band, dBi		42+20lg(F/12.5)	43+20lg(F/14.25)
Polarization		Linear	
-3dB Beam Width		1.04°	1.23°
VSWR		1.25:1	1.25:1
Noise	10° E1	44	
Temperature	10° E1	35	
Power Handing Capability			1kw/port
Feed Interface		WR-75	WR-75

Feed Insertion Loss	0.25dB	0.2dB
Isolation, Tx to Rx, dB	≥85	
Cross Polarization Isolation(on axis)	≥35	
Cross Polarization Isolation(-1dB)	≥30	
First Sidelobes	CCIR.580	

MECHANICAL SPECATION

Antenna Diameter	1.2m
Antenna type	Off-set
Mount Type	El. over Az.
Surface Accuracy (RMS)	0.2mm
Drive mode	Manual Drive
Antenna Pointing RangeAzimuthElevationPolarization	360°0°– 90°±95°

ENVIRONMENTAL SPECIFICATION

Operation Wind	32km/h
Survival Wind	45km/h
Temperature	-35°– 60°
Relative Humidity	100%

