

Electrical Specification		
Type	KA73T	
Operating Frequency, GHz	Ka-Band 4 ports	
	Receive	Transmit
	17.7~20.2	27.0~30.0
Gain, dBi	59.8@17.7GHz	63.6@27.5GHz
Polarization	Circular	
Axial Ratio, dB		0.5
VSWR	1.30	1.30
-3 dB Beam Width, Mid-band	0.16°@17.7GHz	0.11°@27.5GHz
Typical G/T (EL=30° , 4-port)	34.8dB/K (110k LNA)	
Feed Interface	WR-42	WR-28
Isolation, Tx to Rx, dB	85	
Tx/Tx ,Rx /Rx, Linear , dB	20	
Side lobe	CCIR 580-4	
Mechanical Specification		
Antenna Diameter	7.3m	
Antenna Type	Cassegrain	
Pedestal Type	Az/El pedestal	
Antenna Pointing Range	Azimuth	±90° (3 sections, 60° each)
	Elevation	
tracking mode	monopulse auto tracking	
tracking accuracy	0.02°	
Environmental Specification		
Operational Wind	61km/h	
store upWind	115km/h	
Temperature	-30°~+55°	
Relative Humidity	100%	
Solar Radiation	1135Kcal/h/m ²	
Operation altitude	3000m above sea	
Seismic(Survival)	0.3g(H), 0.15g(V)	
Ice Loading	13mm Operational; 30mm Survival	