

1.2M EARTH STATION ANTENNA DATASHEET



Technical Specification		
Type	EKM012TLP2X	
Operating Frequency, GHz	Ku-Band	
	Receive	Transmit
	10.7-12.75	13.75-14.5
Gain, Mid-band, dBi	41.6	43.2
Polarization	Linear, Orthogonal	
-3dB bandwidth	1.5°	1.2°
Noise Temperature		
20° Elevation	47K	
30° Elevation	44K	
The first Side lobe	-14dB	
VSWR	1.3:1	
Cross Polarization	≥35dB	
Isolation Tx H/V	80dB min	
Isolation Rx H/V	35dB min	
Feed Interface	WR75	WR75
Feed Insertion Loss, dB	0.25	0.25
Mechanical Specifications		
Antenna Reflector Material	Reinforced glass fiber polyester	
Antenna Type	Offset	
Elevation Adjustment Range	5°~90°(Continuous) with Fine Adjustment	
Azimuth Adjustment Range	360° (Continuous)	
Environmental Specification		
Operational Wind	80km/h	
Survival Wind	200km/h	
Temperature Range	-50°~80°	
Solar Radiation	1000Kcal/h/m²	