



**TAKTA**  
ELECTRONIC RESEARCH &  
PRODUCTION CO.  
IRIB

**DISH 1.2M KU - BAND Rx /Tx (Type : TK 12155)**

Electrical		
Antenna Size		1.2 M(48 in).
Operating Frequency (GHz)	Receive	10.95-12.75
	Transmit	14.0-14.5
Mid band Gain (+ .2dB)	Receive	41 dBi
	Transmit	42 dBi
Antenna Noise Temperature	20 elevation	46K
	30 elevation	43K
	20° < θ < 26.3°	-3.5dBi
	6.3° < θ < 48°	32-25 Log θ
	48° < θ	-10dBi(averaged)
Feed Interface	Available in a Variety of designs	
Insertion Loss	0.2 dB Max.	
Cross-Pol Isolation	>30 dB (on axis)	
VSWR	1.3-1 Max	
Mechanical		
Reflector Material	Fiber Glass Reinforced Polyester SMC	
Antenna Optics	Prime Focus, Offset Feed	
Mount Type	Elevation over Azimuth	
Mast Pipe Size	2.5 SCH 40 Pipe (2.88 OD) 7.32 cm	
Elevation Adjustment Range	5° to 60° Continuous	
	Fine Adjustment	
Azimuth Adjustment Range	130° Continuous	
Shipping Specifications	83 lbs. (37.6 kg.)	
Environmental Performance		
Wind Loading	Operational	50 mph (80km/h)
	Survival	125 mph (201 km/h)
Temperature	Operational	-40 to 140 F (-40 to 60 C)
	Survival	-50 to 160 F (-46 to 71C)
Rain	Operational	1/2" /hr
	Survival	2" hr
Ice	Operational	-----
	Survival	1/2" radial
Atmospheric Conditions	Salt , Pollutar and Contaminants as Encountered in Coastal and Industrial Aresa	
Solar Radiation	360 BTU/h/ft	
	As Encountererd During Shipping and Handlig	



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