



# COMSAT SYSTEMS PVT LTD

An ISO 9001 Company

## SPECIFICATIONS



### Electrical

Antenna Size	:	2.4 Mtr.		
Frequency of operation	:		Rx(GHz)	Tx(GHz)
		C Band	3.625 - 4.2	5.850 - 6.425
		Ext C Band	4.500 - 4.800	6.725 -7.025
		Ku Band	10.950 - 12.75	14.00 -14.50
Antenna Gain (Mid Band) 0.5 dBi	:		Rx	Tx
dBi		C Band	37.0	41.0
		Ext C Band	38.5	42.5
		Ku Band	47.0	48.5
VSWR	:	1.3:1		
Polarisation	:	Linear / Circular		
Cross Polarisation	:	>30db on axis for C Band/Ku Band		
Feed Interface	:		C Band	Ku Band
		Rx-	CPR 229F	WR 75 Flat
		Tx-	CPR 137F for Type N	WR 75 Flat
Radiation Pattern	:	As per ITU R.S.580-5		

### **Mechanical**

Reflector Material	:	Single Piece GFRP / Multiple Pieces (as per requirement) (or) Aluminium
Antenna Optics	:	Off-set Feed
EI. Adjustment	:	0° - 90°
AZ. Adjustment	:	± 20° continuous 360° Coarse

### **Environmental**

Wind loading (Operational)	:	80 Kmph with counter weights
Survival	:	200 Kmph
Temperature	:	-40° to + 60°C
Solar Radiation	:	360° BTU/h/ft <sup>2</sup>
Rain	:	100 mm/hr
Atmospheric Conditions	:	As encountered in Marine / Industrial

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