



COMSAT SYSTEMS PVT LTD

An ISO 9001 Company

SPECIFICATIONS



Electrical	:			
Antenna Size	:	1.2Mtr.	1.0Mtr.	0.8Mtr.
Frequency of operation	:		Rx(GHz)	
		C Band	3.625-4.2	3.625-4.2
		Ext C Band	4.5-4.8	4.5-4.8
		Ku Band	10.95-12.75	10.9512.75
			Tx(GHz)	
		C Band	5.85-6.425	5.85-6.425
		Ext C Band	6.725-7.025	6.725-7.025
		Ku Band	14.00-14.50	14.00-14.50
Type of Antenna /Feed	:		Offset	Offset
Antenna Gain (Mid Band) dBi	:	C Band	Rx31.5 Tx35.5	30.5 34.5
				28.5 32.5

		Ext C Band	Rx32.5 Tx36.0	31.5 35.0	29.5 33.5
		Ku Band	Rx41.0 Tx42.5	39.5 41.0	38.0 39.5
Polarisation	:		Linear	Linear	Linear
Cross Pol. Description	:		>30db(On Axis)	>30db(On Axis)	>30db(On Axis)
VSWR			1.3:1	1.3:1	1.3:1
Feed Interface	:	C Band			
			RxCPR 229G Tx CPR 137G/N Connector		
		Ku Band	WR75	WR75	Wr75
Power Handling Cap	:		20W	10W	5W
Radiation Pattern	:	As per ITU -	R.S.580-5		
Mechanical					
STEERABILITY(Manual)	:		EI 0°-90 Az 30°fine 360° coarse	EI 0°-90 30°fine 360°coarse	EI 0°-90 30°fine 360°coarse
Mount	:		NPM	NPMWALL	NPMWALL
Material of Antenna	:		Al. Pressed	Al. Pressed	Al. Pressed
Weight of Antenna(Reflector)	:		13Kgs	10Kgs	5Kgs
Environmental					
Wind Loads	:	Operational Survival	80Kmph 200Kmph	80Kmph 200Kmph	80Kmph 200Kmph
Temperature	:		-20°c to +50°c 100mm/hr	-20°c to +50°c 100mm/hr	-20°c to +50°c 100mm/hr
Rain	:		100mm/hr	100mm/hr	100mm/hr

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