



1.2M VEHICLE VSAT ANTENNA DATA SHEET

RF SPECIFICATIONS				
	C Band		Ku Band	
SPECIFICATIONS	RECEIVE	TRANSMIT	RECEIVE	TRANSMIT
Frequency	3.625~4.2GHz	5.85~6.425GHz	10.95~12.75GHz	14~14.5GHz
Gain	32.4dB	35.7dB	41.5dB	43.0dB
VSWR	1.25:1			
Power Handling Capability	5kw/port		1kw/port	
Feed Inter face	CPR-229G	CPR-159G/137G	WR-75	WR-75
Feed Insertion Loss	0.15dB	0.17dB	0.30dB	0.35dB
Tx Port To Rx Port Isolation	85dB			
Cross-Polarization Isolation On Axis	30dB		35dB	
Sidelobes: Fist Sidelobe Other Sidelobe 1°≤θ≤15°	-14dB 32-25 LogAdb			

MECHANICAL SPECIFICATIONS	
Azimuth Travel Range	±180°
Elevation Travel Range	8°~90°
Polarization Travel Range	±90°
Weight	27.5kg
Finish of Reflector	aluminium alloy
Surface Accuracy	0.3mm

ENVIRONMENTAL SPECIFICATIONS	
Operational With Speed	25m/s
Survival Wind Speed	56m/s
Ambient Temperature	-40°C~60°C
Relative Humidity	0%~100%
Solar Radiation	360BTU/h/ft ²
Rain (Operational and Survival)	16cm/hour