

2.4 Meter C & Ku-Band Antenna Receive Only

Series 1252

Technical Specifications

Electrical	C-Band	Ku-Band
Antenna Size	2.4M (96 in.)	2.4M (96 in.)
Operating Frequency (GHz)	3.625 - 4.2 GHz	10.95 - 12.75 GHz
Midband Gain (+/- .2dB)	37.50 dBi	46.50 dBi
Antenna Noise Temp (Clear Sky) 20° Elevation 30° Elevation	37 K 36 K	41 K 41 K
Cross Polarization (Linear)	>30 dB (on axis)	>30 dB (on axis)
First Sidelobe (typical)	- 20 dB	- 20 dB
VSWR	1.3:1 max	1.3:1 max
Insertion Loss	0.2 dB Max.	0.2 dB Max.

Mechanical	
Reflector Material	Glass Fiber Reinforced Polyester SMC
Antenna Optics	Prime Focus, One-Piece, Offset Feed
Mast Pipe Size	5" SCH 40 Pipe (5.56" OD) 14.13 mm.
Elevation Adjustment Range	0° to 90° Continuous Fine Adjustment
Azimuth Adjustment Range	360° Continuous Course
f/D Ratio/Feed Support	0.37/Tripod Feed Support
Declination Corrected Polar Range	90° Arc Coverage with 24" Actuator, Available
Shipping Specifications (Weight)	Az/EI: 205 lbs. (93 kg.)

Environmental Performance	
Wind Loading Operational Survival	50 mph (80 km/h) 125 mph (201 km/h)
Temperature Operational Survival	-40° to 140° F (-40° to 60° C) -50° to 160° F (-46° to 71° C)
Rain Operational Survival	1/2" /hr 2" /hr
Ice Operational Survival	----- 1/2" radial
Atmospheric Conditions	Salt, Pollutants and Contaminants as Encountered in Coastal and Industrial Areas
Solar Radiation	360 BTU/h/ft2

Contact us at CustomerCareSAT@cpil.com or call us at +1 770-689-2040. The data should be used for basic information only. Formal, controlled specifications may be obtained from CPI for use in equipment design.



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For more detailed information, please refer to the corresponding CPI technical description if one has been published, or contact CPI. Specifications may change without notice as a result of additional data or product refinement. Please contact CPI before using this information for system design.

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