

3.0, 3.4 & 3.7M C or Ku-Band Receive Only

Electrical	Series 1304-1305		Series 1344-1345		Series 1374-1375	
	C-Band	Ku-Band	C-Band	Ku-Band	C-Band	Ku-Band
Antenna Size	3.0M (10 ft.)		3.4M (11 ft.)		3.7M (12 ft.)	
Operating Frequency (GHz)	3.625 - 4.2	10.95 - 12.75	3.625 - 4.2	10.95 - 12.75	3.625 - 4.2	10.95 - 12.75
Midband Gain (+/- .2dB)	40 dBi	49 dBi	40.2 dBi	49.8 dBi	40.9 dBi	50.7 dBi
3 dB Beamwidth	1.7°	0.6°	1.6°	0.53°	1.45°	0.5°
Feed Interface	CPR 229F	WR 75	CPR 229F	WR 75	CPR 229F	WR 75
First Sidelobe (typical)	-20 dB		-20 dB		-20 dB	
Antenna Noise Temperature						
20° Elevation	30 K	29 K	29 K	28 K	25 K	23 K
30° Elevation	28 K	26 K	27 K	25 K	23 K	22 K
Cross Polarization (Linear)	>30 dB (on axis)		>30 dB (on axis)		>30 dB (on axis)	
VSWR	1.43:1 Max.		1.43:1 Max.		1.43:1 Max.	
Insertion Loss	0.2 dB Max		0.2 dB Max		0.2 dB Max	

Mechanical			
Reflector Material	Eight Segment Glass Fiber Reinforced Polyester SMC		
Antenna Optics	Prime Focus, Axisymmetric		
Mast Pipe Size	6" SCH 80 Pipe (6.62" OD) 16.83 cm.		
Elevation Adjustment Range	10° to 70° Continuous Fine Adjustment (90° optional)		
Azimuth Adjustment Range	360° Continuous / Polar Mount Covers Any 90° Segment of Arc		
Declination Corrected Polar Range (1305/1345/1375)	90° Arc Coverage With 36" Actuator		
f/D Ratio/Feed Support	.30/Quad Feed Support	.30/Quad Feed Support	.30/Quad Feed Support
Shipping Specifications	380 lbs. (173 kg.)	520 lbs. (234 kg.)	575 lbs. (259 kg.)

Environmental Performance		
Wind Loading	Operational Survival	45 mph (72 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)		1/2" per hour
Ice		-----
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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