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

Series 1304-1305, 1344-1345 & 1374-1375

Technical Specifications

Electrical	Series 1304-1305 C-Band	Ku-Band	Series 1344-1345 C-Band	Ku-Band	Series 1374-1375 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 (+/- .5dB)	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°
Antenna Noise Temperature 20° Elevation 30° Elevation	30 K 28 K	29 K 26 K	29 K 27 K	28 K 25 K	25 K 23 K	23 K 22 K
Feed Interface	CPR 229F	WR 75	CPR 229F	WR 75	CPR 229F	WR 75
First Sidelobe (typical)	-20 dB		-20 dB		-20 dB	
Cross-Pol Isolation (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	.36/Quad Feed Support	.37/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

Request A Quote