3.0, 3.4 & 3.7M C or Ku-Band

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° 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
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 Perfo	rmance	
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 Conditi	ons	Salt, Pollutants and Contaminants as Encountered in Coastal and Industrial Areas
Solar Radiation		360 BTU/h/ft2