

Series 1135



1.2M Receive/Transmit Series 1135 Antenna



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Technical Specifications

Electrical	Receive	Transmit
Antenna Size	1.2M (47.3")	1.2M (47.3")
Operating Frequency (GHz)	10.95 – 12.750 GHz	13.75 – 14.50 GHz
Midband Gain (± 2 dB)	41.50 dBi	43.00 dBi
Polarization	Linear	Linear
3 dB Beamwidth	1.47°	1.22°
Feed Interface	WR75	WR75
First Sidelobe (Typical)	-24.0 dB	-24.0 dB
Cross Polarization	>30 dB min. on axis	>30 dB min. on axis within 1 dB contour
VSWR	1.3:1 Max	1.3:1 Max

Mechanical

Reflector Material	Glass Fiber Reinforced Polyester SMC
Antenna Optics	One Piece Offset, Prime Focus
Mast Pipe Size	2.5" Sch 40 Pipe (2.875" o.d.) 73.0 mm
Azimuth Adjustment Range	360° Cont. Coarse Adj., $\pm 25^\circ$ Fine Adj.
Elevation Adjustment Range	5° - 90° Continuous Fine Adjust
Polarization Adjustment Range	+90° Continuous Fine Adjust
Shipping Specifications	Weight 65 lbs. (30 kg.)

Environmental

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