

# Series 1135



*1.2M Receive/Transmit Series 1135 Antenna*



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### Technical Specifications

<b>Electrical</b>	<b>Receive</b>	<b>Transmit</b>
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 ( $\pm 2$ 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 <sup>2</sup>	