



Model ASI 2.4M Single Offset X-Band Antenna

ELECTRICAL		X-BAND
Antenna Size		2.4M Single Offset
Operating Frequency		
Receive		7.25-7.75 GHz
Transmit		7.90-8.40 GHz
Midband Gain (+/- .5dB) / (+/- 2 dB (3.8M))		43.7 dBi 44.4 dBi
Sidelobe Compliant		DSCS Req. (STAGNA 8848)
Axial Ratio		1.0 dB
VSWR		1.25:1 Max
Antenna Noise Temp (Clear Sky)		
10°		38K
20°		33K
30°		29K
Port to Port Isolation		20dB
MECHANICAL		
Reflector Material		Glass fiber reinforced polyester SMC
Antenna Optics		Four piece, offset feed, prime focus
Mount Type		Elevation over Azimuth
Elevation Adjustment Range		5° to 90°, continuous fine adjustment
Azimuth Adjustment Range		180° in two 120° segments
Mast Pipe Size		6" SCH 40 Pipe (6.62" OD)
ENVIRONMENTAL PERFORMANCE		
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°)
Rain	Operational	1/2" / hr
	Survival	2" / hr
Ice	Survival	1/2" radial
Solar Radiation		360 BTU/h/ft ²
Atmospheric Conditions		Salt, Pollutants and Contaminants as encountered in coastal and industrial areas.