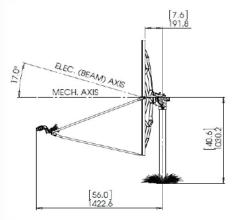
Type 125: 1.2m Rx/Tx Extended Ku-Band LFL Class I Antenna









- ISO 9001:2008
 Certificate of Registration
- One-piece precision SMC Reflector
- Precision Az/El Mount
- Fine Azimuth and Elevation Adjustment Features
- All Materials Comply with EU Directive No. 2002/95/EC (RoHS)



- 720 Hour Salt Spray Hardware
- Standard Waveguide Flange

The Skyware Global 1.2m Rx/Tx Extended Ku-Band LFL Class I Antenna is a rugged, commercial quality product suitable for the most demanding applications.

- The reflector is constructed from glass fiber reinforced polyester [SMC] for strength and accuracy. A proprietary process developed by Skyware Global ensures high RF reflectivity as needed for Ku-Band operation.
- The precision Az/EI mount is made of galvanized steel for excellent corrosion resistance. This mount includes special features to increase pointing accuracy with low backlash and lockdown error.
- \bullet This Az/El allows the antenna to be installed on standard 73-76mm [27/8"-3"] OD installation mounts.
- All hardware is plated to 720 hour salt spray standards under ASTM B-117.
- Cross-Polarization Isolation of 30dB on axis.
- Excellent Tx Port-to-Port Isolation of 90dB or better.
- Meets or exceeds regulator agency requirements.
- Class I system designed for typical lightweight Ku-band RF Electronics.*

* 2.0 kg or 4.5 lb max. weight (For BUC and LNB) 2.2 kg or 4.8 lb max. weight (For Transceiver)



PRODUCT SPECIFICATIONS

1.2m Rx/Tx Extended Ku-Band LFL Class I Antenna

RF Performance

Operating Frequency TX*
PolarizationLinear Orthogonal(Co-Pol Optional)
Gain (±0.3 dB) TX
3 dB Beamwidth TX
$ \begin{array}{llllllllllllllllllllllllllllllllllll$
Antenna Cross-Polarization*>30 dB within 1 dB Contour
Antenna Noise Temperature 10° EL
VSWR TX
TX

(All specifications typical)
(*Eutelsat Approval and Cross-Polarization
Specification apply
to Tx band 14.0-14.5 GHz only.)
(** With Skyware Global OMT/Filter)

Mechanical Performance

Reflector Material Glass Fiber Reinforced Composite
Antenna Optics One-Piece Offset Feed Prime Focus
Mount Type Elevation Over Azimuth
Elevation Adjustment Range 5°-90° Continuous Fine Adjustment
Azimuth Adjustment Range 360° Continuous \pm 5° Fine Adjustment
Mast Size
Antenna Weight
Environmental Performance
Wind Loading Operational

Operational	/ ZKIII/ II (45 III)
Functional Survival	128m/h (80 mph)
Ultimate Survival	200km/h (125 mph)
Survival Temperature	-50°C to +80°C

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Operational	Temper	ature	 	 	 40	°C to	+55°	С

Humidity 0 to 100% (Condensing	Humidity.		0 to 100%	(Condensing
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Atmosphere	Standard Hardware /2	20 Hrs
	SST Requirements (ASTM E	3-117)

Solar Radiation	.360	BTU/h/ft ²
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Shock and	Vibration	As Encountered di	uring
		Shipping and han	dling





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