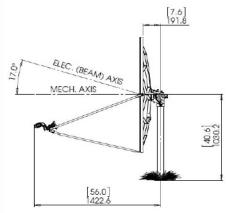
Type 125: 1.2m Rx/Tx Class I Antenna









- 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 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/El 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.
- This Az/EI 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

RF Performance

Operating Frequency .13.75-14.50GHz RX .10.70-12.75GHz
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 1.3:1 Max TX. 1.5:1 Max
Isolation**(Port to Port) TX
Feed Interface 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)

1.2m Rx/Tx Class I Antenna

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

Enviromental Performance
Wind Loading Operational
Functional Survival
Ultimate Survival 200km/h (125 mph)
Survival Temperature50°C to +80°C
Operational Temperature
Humidity 0 to 100% (Condensing)
Atmosphere Standard Hardware 720 Hrs SST Requirements (ASTM B-117)
Solar Radiation
Shock and Vibration As Encountered during Shipping and handling







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