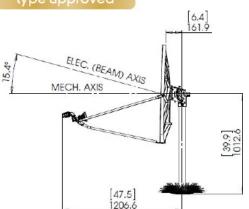
Type 965: 96cm Standard Rx/Tx Ku-Band LFL

Class I Antenna









- ISO 9001:2008 Certificate of Registration
- Eutelsat Cert. No. EA-V061
- One-piece precision SMC Reflector
- Precision Az/El Mount
- Fine Azimuth and Elevation Adjustment Features
- All Materials Comply with EU Directive No. 2011/65/EC (RoHS)
- 720 Hour Salt Spray Hardware
- Standard Waveguide Flange Interface

The Skyware Global 96cm Standard Rx/Tx 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 insures 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/EI allows the antenna to be installed on standard 73-76mm [2\% "- 3"] OD installation mounts.
- All hardware is plated to 720 hour salt spray standards tested in accordance with ASTM B-117.
- TX Cross-Polarisation of greater than 30db within 1dB contour.
- Excellent Port-to-Port Isolation of 90dB or better.
- Meets or exceeds regulator agency requirements.
- Class I system designed for typical 1 W and 2 W Ku-band RF Electronics.*
- * 1.7 kg or 3.7 lb max. weight (For BUC and LNB) 1.9 kg or 4.2 lb max. weight (For Transceiver)



PRODUCT SPECIFICATIONS

RF Performance

| Operating Frequency 13.75-14.50GHz RX .10.70-12.75GHz |
|---|
| PolarizationLinear Orthogonal(Col-Pol) Optional |
| (corror) Optional |
| Gain (±0.3 dB) TX |
| 3 dB Beamwidth TX |
| $\begin{array}{llllllllllllllllllllllllllllllllllll$ |
| Antenna Cross-Polarization within 1dB contour TX |
| Antenna Noise Temperature 10° EL |
| VSWR TX |
| Isolation**(Port to Port) TX |
| Feed Interface TX |

(All specifications typical) (** With Skyware Global OMT/Filter)

96cm Standard Rx/Tx Ku-Band LFL 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 |
| Mast Size |
| Antenna Weight Approx 13.51Kg (Not Including Mast) |

Enviromental Performance

| WindLoading Operational | 72km/h (45 mph) |
|-------------------------|--|
| Functional Survival | |
| Ultimate Survival | 200km/h (125 mph) |
| Survival Temperature | 50°C to +80°C |
| Operational Temperature | 40°C to +55°C |
| Humidity | 0 to 100% (Condensing) |
| Atmosphere | ndard Hardware 720 Hrs uirements (ASTM B-117) |
| Solar Radiation | 360 BTU/h/ft² |
| Shock and Vibration | . As Encountered during Shipping and handling |



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