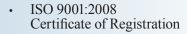
Type 756: 75cm Rx/Tx Ku-Band Elliptical LFL

Antenna System

SKYWARE G L & B A L



- All materials comply with EU Directive No. 2002/95/EC (RoHS).
- One-piece precision elliptical offset thermoset-molded reflector.
- Long Focal Length optics for low cross-pol performance.
- Fine azimuth and elevation adjustment.
- Rigid steel feed support arm
- Factory assembled Az/ El/Skew mount for optimum alignment capability.
- Plated hardware for maximum corrosion resistance.
- Includes Rx/Tx feed assembly.







The Skyware Global 75cm Rx/Tx Ku-Band Elliptical LFL Antenna is a rugged commercial grade product suitable for the most demanding applications.

- The reflector is thermoset-molded for strength and surface accuracy. Molded into the rear of the reflector is a network of support ribs which not only strengthens the antenna, but also helps to sustain the critical parabolic shape necessary for transmit performance.
- The Az/El/Skew mount, constructed from heavy-gauge galvanized steel, provides a rigid support to the reflector.
- The mount secures the antenna to any 60mm (2.38") O.D. mast and prevents slippage in high winds.
- The Az/El/Skew mount allows for precise alignment of the elliptical reflector to the geostationary arc, taking full advantage of the antenna's performance.





PRODUCT SPECIFICATIONS

RF Performance

(All specifications typical)

| Effective Aperture75cm equivalent (30in) |
|--|
| Operating Frequency 14.00-14.50GHz RX 10.70-12.75GHz |
| Polarization Linear, Orthogonal |
| Gain (±0.2 dB) TX |
| 3 dB Beamwidth TX |
| $\begin{array}{llllllllllllllllllllllllllllllllllll$ |
| Antenna Cross-Polarization |
| Antenna Noise Temperature ¹ 62° EL |
| VSWR TX |
| Isolation (Port to Port) TX |
| RX30db |
| Feed Interface TX |

75cm Rx/Tx Ku-Band Elliptical LFL Antenna System

Mechanical Performance

| $\hbox{Reflector Material.} \ldots \ldots \hbox{Glass Fiber Reinforced Polyester}$ |
|--|
| Antenna Optics One-Peice Offset Feed Prime Focus |
| Mount Type \dots .Three Axis, Skew, Elevation and Azimuth |
| Polarization (Skew) Adjustment Range $\pm 90^{\circ}$ Continuous |
| Elevation Adjustment Range 5°-90° Continuous Fine Adjustment |
| Azimuth Adjustment Range |
| Mast Pipe Interface |
| Environmental Performance |
| Wind Loading Operational |
| Functional Survival |
| Ultimate Survival 125 mph (200 km/h) |
| Operational Temperature |
| Survival Temperature |
| Humidity |
| Atmosphere |
| Solar Radiation |
| Shock and Vibration As Encountered during Shipping and handling |





REV 03/15-02 Page 2 of 2