Type 755: 75cm Rx/Tx Ku-Band Elliptical Antenna System



- ISO 9001:2008
 Certificate of Registration
- One-piece precision elliptical offset thermoset-molded reflector.
- Single bolt fine elevation adjustment.
- Extruded aluminum feed support arm.
- Pre-assembled Az/El/Skew mount for optimum alignment capability.
- Plated hardware for maximum corrosion resistance.
- Includes Rx/Tx feed assembly.
- Available with Co-Pol or Cross-Pol feed.
- All materials comply with EU Directive No. 2011/65/EC (RoHS).
- Designed for typical 1W and 2W Ku-band Block-Up Converters (BUCs)*
- * 2 kg or 4.5 lb or max. weight for RF electronics (BUC and LNB)



The **Skyware Global 75cm Rx/Tx Ku-Band Elliptical 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 strengthens the antenna and sustains the parabolic shape necessary for transmit performance.
- The heavy-gauge galvanized steel Az/El/Skew mount provides rigid support to the reflector.
- The mount secures the antenna to any 60 mm (2.38") O.D. mast and prevents slippage in high winds.
- This mount allows for precise alignment of the elliptical reflector to the geostationary arc.
- A special powder paint process offers excellent protection from weatherrelated corrosion.



PRODUCT SPECIFICATIONS

RF Performance

(All specifications typical)

75cm Rx/Tx Ku-Band Elliptical Antenna

Mechanical Performance

${\sf Reflector\ Material\dots} {\sf Glass\ Fiber\ Reinforced\ Polyester}$
Antenna Optics One-Peice Offset Feed Prime Focus
Mount Type $\ldots\ldots$ 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 360° Continuous
Mast Pipe Interface

Enviromental Performance

Wind Loading Operational50 mph (80 km/h)
Functional Survival 80 mph (128 km/h)
Ultimate Survival
Operational Temperature40°C to +60°C
Survival Temperature
Humidity
Atmosphere
Solar Radiation
Shock and Vibration As Encountered during Shipping and handling



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