Type 743: 74cm Rx/Tx Ku-Band Antenna







- ISO 9001:2008
 Certificate of Registration
- One-piece Steel 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
- Designed for Skyware Global Ku Band Feed Components
- Designed for Tier I OEM Transceiver

Skyware Global 74cm Rx/Tx Ku-Band Antenna is a rugged, commercial quality product suitable for the most demanding applications.

- The stamped steel reflector is designed for strength and accuracy 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.
- This Az/EI allows the antenna to be installed on standard (60mm) [2 3/8"] OD installation mounts.
- All hardware is plated to 720 hour salt spray standards tested in accordance with ASTM B-117.
- Designed for use with the Skyware Global line of Ku-band Feed assemblies.
- Tx Cross-Polarization Isolation of 30dB or better for Linear Application.
- Excellent Tx Port to Port Isolation of 80dB or better.
- Meets or exceeds regulatory agency requirements.
- System designed for typical Ku-band RF Electronics.



PRODUCT SPECIFICATIONS

RF Performance

Operating Frequency RX
Polarization Linear, Orthogonal
Gain (±0.2 dB) RX
3 dB Beamwidth RX
$\begin{array}{llllllllllllllllllllllllllllllllllll$
Antenna Noise Temperature 62° EL
VSWR RX
Isolation (Port to Port) RX
Feed Interface RX WR75 TX WR75
(All specifications typical)

74cm Rx/Tx Ku-Band Antenna

Mechanical Performance

Reflector Material
Antenna Optics One-Piece Offset Feed Prime Focus
Mast Pipe Size 2.5" SCH 40 Pipe (2 3/8" OD) (60mm) Diameter
Elevation Adjustment Range 5°-90° Continuous Fine Adjustment
Azimuth Adjustment Range 360°Continuous Course Adjustment \pm 10° Fine Adjustment
Shipping Specifications

Enviromental Performance

Wind Loading Operational 50 mph (80 km/h)
Survival
Temperature (operational)
Rain (operational) ½"/ hr
Atmospheric Conditions
Relative Humity 0 to 100% with Condensation
Solar Radiation





REV 03/17-03 Page 2 of 2