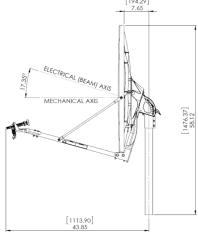
# Type 988: 98cm Rx/Tx Standard Ka-Band Antenna









- ISO 9001:2008 Certificate of Registration
- One-piece precision SMC Reflector
- Precision Az/EI Mount
- Fine Azimuth and Elevation Adjustment Features
- All Materials Comply with EU Directive No. 2002/95/EC (RoHS)



- 720 Hour Salt Spray Hardware
- Designed for Skyware Global Ka Band Feed Components
- Designed for Tier I OEM Transceiver

New **Skyware Global 98cm Rx/Tx Standard Ka-Band 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 Ka-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 (60.3mm) [2.375"] 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 Ka-band Feed assemblies.
- Tx Cross-Polarization Isolation of 25dB (within 1dB B/W) or better for CP Application.
- Excellent Tx Port to Port Isolation of 90dB or better
- Meets or exceeds regulatory agency requirements
- System designed for typical Ka-band RF Electronics



## PRODUCT SPECIFICATIONS

#### **RF Performance**

Operating Frequency RX
Gain (+/0.3db) RX
VSWR
3dB Beamwidth RX
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Antenna Noise Temperature 10° Elevation
Cross Polarization Isolation within 1.0 dB Beamwidth RX
Isolation (Port to Port) RX
Output Waveguide Interface Flange RX

## 98cm Rx/Tx Standard Ka-Band Antenna

## **Mechanical Performance**

Reflector Material Glass Fiber Reinforced Polyester (SMC), Ka-Band Formulation
Antenna Optics 1-Piece Offset Feed Prime Focus
Mast Pipe Size 2.0" SCH 40 Pipe (2.375" OD) (60.3mm) Diameter
Elevation Adjustment Range 5°- 90° Continuous Fine Adjustment
Azimuth Adjustment Range 360°Continuous Course Adjustment ± 10° Fine Adjustment
Shipping Specifications
<b>Environmental Performance</b>
Wind Loading Operational
Functional Survival 80 mph (128 km/h)
Ultmiate Survival 125 mph (200 km/h)
Temperature (operational)

Rain (operational).....///hr





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