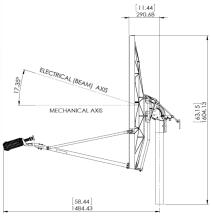
Type 127: 1.2m Rx/Tx Extended Ka-Band Antenna









- ISO 9001:2008 CERTIFICATE OF REGISTRATION
- One-piece precision composite Reflector
- Precision Az/El 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 1.2m Rx/Tx Extended Ka-Band Antenna is a rugged, commercial quality product suitable for the most demanding applications.
- The reflector is constructed from glass fiber reinforced polyester for strength and accuracy. A proprietary process developed by Skyware Global ensures high RF reflectivity as needed for Ka Band operation
- The precision Az/El 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/El allows the antenna to be installed on standard 73mm [2-7/8"] 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 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.



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PRODUCT SPECIFICATIONS

1.2m Rx/Tx Extended Ka-Band Antenna

RF Performance

Operating Frequency RX18.3-20.2 GHz TX28.3-30.0 GHz
Polarization RX
Gain (+/0.3db) RX
VSWR
3dB Beamwidth RX
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Antenna Noise Temperature 10° Elevation. 90K 20° Elevation. 53K 30° Elevation. 51K
Cross Polarization Isolation within 1.0 dB Beamwidth RX
Isolation (Port to Port) RX
Output Waveguide Interface Flange RX

Mechanical Performance

Reflector MaterialGlass Fiber Reinforced Polyester
Antenna Optics One-Piece Offset Feed Prime Focus
Mount Type Elevation Over Azimuth
Elevation Adjustment Range 5° - 90° Continuous Fine Adjustment
Azimuth Adjustment Range 360° Continuous \pm 5° Fine Adjustment
Mast Size
Antenna Weight
Packaged WeightApprox 58 lbs
Enviromental Performance Windloading
Operational
Functional Survival 80mph (128 km/h)
Ultimate Survival
Survival Temperature
Operational Temperature
Humidity0 to 100% (Condensing)
Corrosion Protection
$Solar\ Radiation \dots 360\ BTU/h/\ ft^2$
Shock and Vibration As Encountered during Shipping and handling







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