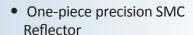
Type 180: 1.8m BSS Band Antenna SFL RxTx Class I

SKYWARE G L & B A L



- 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
- Standard Waveguide Flange Interface





The **Skyware Global 1.8m BSS Band Antenna SFL RxTx Class I** 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 insures high RF reflectivity as 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 (114mm) 4.50" OD installation mounts.
- All hardware is plated to 720 hour salt spray standards under ASTM B-117.
- Cross-Polarization Isolation of 30dB on axis
- Excellent Tx Port-to-Port Isolation of 80dB or better
- Meets or exceeds regulator agency requirements



PRODUCT SPECIFICATIONS

RF Performance

Operating Frequency 17.30-18.10 GHz RX 10.95-12.75 GHz
Polarization TXLinear V-Pol or H-Pol RXLinear H-Pol or V-Pol
Gain (±0.3 dB) TX
3 dB Beamwidth TX
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Antenna Cross-Polarization TX >30dB RX >30dB
Antenna Noise Temperature
VSWR TX
Isolation
Feed Interface TXWR62 Flat Flange RXWR75 Flat Flange

1.8m BSS Band Antenna SFL RxTx Class 1

Mechanical Performance

Reflector Material Glass Fiber Reinforced Polyester (SMC) with Aluminium Screen
Antenna Optics One-Piece Offset Feed Prime Focus
Mount Type Elevation Over Azimuth
Elevation Adjustment Range 8°-90° Continuous Fine Adjustment
Coarse Azimuth Adjustment Range 360° Continuous;
Fine Azimuth Adjustment Range ± 10°
Mast Size 4.50" (114mm) Diameter
Antenna Weight
Enviromental Performance
731 - /1- /45 1-)
Operational Wind Speed 72km/h (45 mph)
Functional Survival Wind Speed 128km/h (45 mph)
Functional Survival Wind Speed 128km/h (80 mph)
Functional Survival Wind Speed 128km/h (80 mph) Ultimate Survival Wind Speed 200km/h (125 mph) Atmosphere Standard Hardware 720 Hrs
Functional Survival Wind Speed 128km/h (80 mph) Ultimate Survival Wind Speed 200km/h (125 mph) Atmosphere Standard Hardware 720 Hrs SST Requirements (ASTM B-117)
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