Type 123 Class II / 1.2m KU-Band Offset Antenna



PRODUCT SPECIFICATIONS

Detail Photos
(on right from top to bottom)
Pre-assembled Az/El Mount
RF tested Ku-band feed
assembly





1.2 m Rx/Tx Class II Antenna System

TYPE 123

Type approved for use on Intelsat and Eutelsat satellite systems







he Skyware Global Type 123 1.2 m
Class II RxTx 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 helps to sustain the
necessary parabolic shape. The reflector optics feature a long focal length for
excellent cross-pol performance.

The heavy gauge steel Az/El mount secures the antenna to any 73-76 mm (2.88"-3.00") mast and prevents slippage in high winds. A special powder paint process offers excellent protection from weather-related corrosion.

- All materials comply with EU directive No. 2002/95/EC (RoHS).
- Long focal length optics for low cross-pol performance.
- Fine azimuth and elevation adjustments.
- Available with Ku-band co-pol or cross-pol feeds.
- Galvanized 19 mm (.75") O.D. side feed support legs and 51 mm (2") O.D. lower feed support.
- Plated hardware for maximum corrosion resistance.
- Class II system designed for typical 2 W and 4 W Ku-band Block Up-Converters (BUCs).*

*3.6 kg or 8 lb max. weight for RF electronics (BUC and LNB)



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PRODUCT SPECIFICATIONS

Type Approval Information

Antenna Model	
Intelsat Standard Standard G (IESS 601))
Approval Code)
Eutelsat StandardVSAT	
Approval Code	
(See Our Website for a Complete List of Type Approvals)	
RF Performance	
Effective Aperature)
Operating Frequency 13.75 - 14.50 GHz RX 10.70 - 12.75 GHz	
PolarizationLinear, Orthogonal	
Gain (±0.2 dB) TX	
3 dB Beamwidth TX 1.2° @ 14.3 GHz RX 1.5° @ 12.0 GHz	
Sidelobe Envelope (Tx, Co-Pol dBi) 1.5°< θ < 20°. 29-25 log θ dBi 20° < θ < 26.3°3.5 dBi 26.3° < θ < 48° 32-25 log θ dBi 48° < θ < 180°	İ
Antenna Cross-Polarization . >30 dB in 1 dB Contour	
Antenna Noise Temperature 10° EL	
VSWR Tx. 1.3:1 Rx 1.5:1	

1.2m Rx/Tx Class II Antenna System

Mechanical Performance

Reflector MaterialGlass Fiber Reinforced Polyester
Antenna Optics One-Piece Offset Feed Prime Focus
Mount Type Elevation over Azimuth
Elevation Adjustment Range 7° - 84° Continuous Fine Adjustment
Azimuth Adjustment Range360° Continuous, ± 20° Fine Adjustment
Mast Pipe Interface73 - 76 mm (2.88 in - 3.00 in) Diameter
Enviromental Performance
Wind Loading
Operational50 mph (80 km/h)
Survival
Temperature50°C to +80°C
Humidity0 to 100% (Condensing)
Atmosphere Standard Hardware 500 Hrs SST Requirements (ASTM B-117)
Solar Radiation
Shock and Vibration As Encountered during Shipping and handling





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(All specifications typical)

Tx.....80db