## 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







The 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. 2011/65/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
   W and 4 W Ku-band Block
   Up-Converters (BUCs).\*

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



REV 04/17-03 Page 1 of 2

#### PRODUCT SPECIFICATIONS

**Type Approval Information** 

Amtonino Madal
Antenna Model
Intelsat Standard Standard G (IESS 601)
Approval Code IA077A00
Eutelsat Standard
Approval Code
(See Our Website for a Complete List of Type Approvals)
RF Performance
Effective Aperature
Operating Frequency
TX
Polarization Linear, Orthogonal
Gain (±0.2 dB)
TX
3 dB Beamwidth
TX
Sidelobe Envelope (Tx, Co-Pol dBi)
$1.5^{\circ} < \theta < 20^{\circ}$
$20^{\circ} < \theta < 26.3^{\circ}$
48° < θ < 180°
Antenna Cross-Polarization . >30 dB in 1 dB Contour
Antenna Noise Temperature
10° EL
30° EL24° K
VSWR
TX
Isolation (Port to Port)
TX
Feed Interface TXWR75 Flat Flange
RXWR75 Flat Flange
(All specifications typical)

### 1.2m Rx/Tx Class II Antenna System

#### **Mechanical Performance**

Reflector Material Glass Fiber Reinforced Polyester
Antenna Optics One-Piece Offset Feed Prime Focus
Mount Type Elevation over Azimuth
Elevation Adjustment Range7° - 84° Continuous Fine Adjustment
Azimuth Adjustment Range
Mast Pipe Interface
Enviromental Performance
Wind Loading
Operational
Survival
Temperature50°C to +80°C
Humidity
Atmosphere
Solar Radiation
Shock and Vibration As Encountered during Shipping and handling



REV 04/17-03 Page 2 of 2