

PRODUCT SPECIFICATIONS

Detail Photos

(on right from top to bottom)

Pre-assembled Az/EI Mount
(73-76 mm)

Fine-elevation adjustment
with stamped degree scale

Ku feed assembly with LNB
cover



1.0 m Receive-Only Antenna System

TYPE 100

The reflector is thermoset-molded for strength and surface accuracy.

The Skyware Global 1.0 m Type 100 Offset 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 not only strengthens the antenna, but also helps to sustain its critical parabolic shape.

The Az/EI mount is constructed from heavy-gauge steel to provide a rigid support to the reflector. The Az/EI mount secures the antenna to either a 60 mm (2.38") or 73-76 mm (2.88"-3.00") O.D. mast and prevents slippage in high winds.

A specially formulated powder paint process offers excellent protection from weather-related corrosion.

- All materials comply with EU directive No. 2002/95/EC (RoHS).
- One-piece thermoset-molded offset reflector.
- Single bolt fine elevation adjustment.
- Galvanized 19 mm (.75") O.D. feed support legs.
- Factory pre-assembled Az/EI mount.
- Plated hardware for maximum corrosion resistance.
- Available with a wide variety of Ku-band feeds.



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RF Performance

Effective Aperature	1.0m (40in)
Operating Frequency	10.95 - 12.75 GHz
Polarization	Linear, Orthogonal
Gain @	40.5 dBi
3 dB Beamwidth	1.95°
Antenna Noise Temperature	
30° EL	25°K
VSWR*	1.3:1
Cross-Polarization Discrimination (Linear)	
.....	30 dB on Axis
Feed Interface	WR75 Flat Flange

(All specifications typical)

*Function of feed specifications

1.0m Receive Only 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 Range	10° - 70° Continuous
	Fine Adjustment (60mm)
10° - 90° Continuous
	Fine Adjustment (73mm)
Azimuth Adjustment Range	360° Continuous,
Mast Pipe Interface60mm (2.38 in)
	73-76(2.88 in - 3.00 in) Diameter

Enviromental Performance

Wind Loading

Operational	50 mph (80 km/h)
Survival	125 mph (200 km/h)
Temperature	-50°C to +80°C
Humidity	0 to 100% (Condensing)
Atmosphere	Standard Hardware 500 Hrs SST
	Requirements (ASTM B-117)
Solar Radiation	360 BTU/h/ ft²
Shock and Vibration	As Encountered during
	Shipping and handling



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