

SKYware

G L O B A L™

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



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



1.0 m Receive-Only Antenna System

TYPE 100

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.

SPECIFICATIONS

Type 100 1.0 m Receive Only Antenna System

RF Performance

Effective Aperture	1.0 m (40 in)
Operating Frequency	10.95 - 12.75 GHz
Polarization	Linear (Circular Optional)
Gain @ 11.95 GHz	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

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 (60 mm) 10° - 90° Continuous Fine Adjustment (73 mm)	
Azimuth Adjustment Range	360° Continuous	
Mast Pipe Interface	60 mm (2.38 in) or 73 - 76 mm (2.88 - 3.00 in) Diameter	
Wind Loading	Operational	80 km/h (50 mph)
	Survival	200 km/h (125 mph)
Temperature		-50°C to 80°C
Humidity		0 to 100% (Condensing)
Atmosphere		Standard Hardware Meets 500 Hour Salt Spray Test Requirements (ASTM B-117)
Solar Radiation		360 BTU/h/ft ²
Shock and Vibration		As Encountered During Shipping and Handling



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