



## PRODUCT SPECIFICATIONS

Detail Photos

*(on right from top to bottom)*

Pre-assembled Az/El 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

**T**he 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/El mount is constructed from heavy-gauge steel to provide a rigid support to the reflector. The Az/El 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/El mount.
- Plated hardware for maximum corrosion resistance.
- Available with a wide variety of Ku-band feeds.

Order From:



Toll Free: 800-423-2594  
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## 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/ft²	
Shock and Vibration	.....	As Encountered During Shipping and Handling	



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