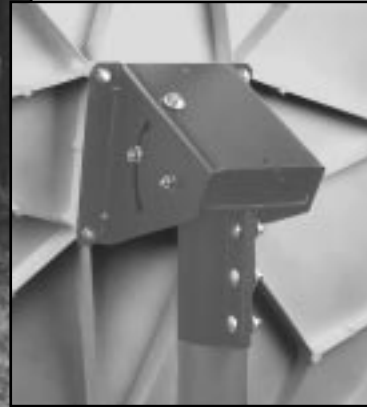


# 1.0m Receive-Only Offset Antenna System



*Sturdy Az/EI mount with elevation scale*

## FEATURES

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- One-piece thermoset-molded offset reflector.
- Single bolt fine elevation adjustment.
- Galvanized .75 in. O.D. feed support legs.
- Factory pre-assembled mount.
- Cadmium-plated hardware for maximum corrosion resistance.
- Available with a wide variety of Ku-Band feeds.

## DESCRIPTION

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The Andrew Corporation 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 2.38 in. or 3.00 in. O.D. mast and prevents slippage in high winds. A specially formulated powder paint process offers excellent protection from weather-related corrosion.

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## RF PERFORMANCE

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Effective Aperture	1.0m (40 in.)
Operating Frequency	10.95 - 12.75 GHz
Polarization	Linear (Circular Optional)
Gain @ 11.95 GHz	40.5 dBi (Typical)
3 dB Beamwidth	1.95°
Antenna Noise Temperature @ 30° EI	25°K (Typical)
VSWR	1.3:1 Max.
Cross-Polarization Discrimination (Linear)	>30 dB On Axis
Feed Interface	WR75 Cover Flange (UBR120)

## MECHANICAL PERFORMANCE

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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
Azimuth Adjustment Range	360° Continuous
Mast Pipe Interface	2.38 in. (60 mm) or 3.00 in. (76 mm) Diameter
Wind Loading	Operational Survival
Temperature	50 mi/h (80 km/h) 125 mi/h (200 km/h)
Humidity	-50°C to 80°C
Atmosphere	0 to 100% (Condensing)
Solar Radiation	Salt, Pollutants and Contaminants as Encountered in Coastal and Industrial Areas
Shock and Vibration	360 BTU/h/ft <sup>2</sup> As Encountered During Shipping and Handling