



PRODUCT SPECIFICATIONS

Detail Photos

(on right from top to bottom)

Pre-assembled Az/El/Skew Mount

Fine-elevation adjustment with stamped degree scale

Ku feed assembly with LNB cover



84 cm Elliptical Receive-Only Antenna System

Type 845

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

The Andrew Corporation 84 cm Type 845 Elliptical Antenna is a rugged commercial grade product suitable for the most demanding applications. The offset 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 pole mount is constructed from heavy-gauge steel to provide a rigid support to the reflector. A specially formulated powder paint process offers excellent protection from weather-related corrosion.

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SPECIFICATIONS

TYPE 845 84 cm Elliptical Receive-Only Antenna System

RF Performance

Effective Aperture	84 cm Elliptical (33 in)
Dimension of Reflector	(102 cm x 77 cm)
Operating Frequency	10.95-12.75 GHz
Polarization	Linear
Gain @ 11.95 GHz	39 dBi
3 dB Beamwidth (Major Axis)	1.8°
Antenna Noise Temperature @ 30° El	25°K
VSWR	1.3:1
Cross-Polarization Discrimination	>30 dB on Axis
Feed Interface	WR75 Cover Flange (UBR120)

(All specifications typical)

Mechanical Performance

Reflector Material	Glass Fiber Reinforced Polyester
Antenna Optics	One-Piece Offset Feed Prime Focus
Mount Type	Skew Over Elevation Over Azimuth
Elevation Adjustment Range	5°-90° Continuous Fine Adjustment
Azimuth Adjustment Range	360° Continuous
Polarization (Skew) Adjustment Range	±90° Continuous
Mast Pipe Interface	2.38 in (60 mm)
Wind Loading	Operational 50 mi/h (80 km/h) Survival 125 mi/h (200 km/h)
Temperature	-50°C to 80°C
Humidity	0 to 100% (Condensing)
Atmosphere	Salt, Pollutants and Contaminants as encountered in Coastal and Industrial Areas
Solar Radiation	360 BTU/h/ft ²
Shock and Vibration	As Encountered During Shipping and Handling



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