

PRODUCT
SPECIFICATIONS

Detail Photos

(on right from top to bottom)

Pre-assembled Az/EI 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 ASC Signal 84 cm Type 845 Elliptical 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 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.

- All materials comply with EU directive No. 2002/95/EC (RoHS).
- One-piece thermoset-molded offset reflector.
- Factory pre-assembled Az/EI mount.
- Plated hardware for maximum corrosion resistance.

SPECIFICATIONS

Type 845 84 cm Elliptical Receive Only Antenna System

RF Performance

Effective Aperture	84 cm Elliptical (33 in)
Dimensions 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	1.8°
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)

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	60 mm (2.38 in)
Wind Loading	Operational
	Survival
	80 km/h (50 mph)
	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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