

PRODUCT
SPECIFICATIONS

Detail Photos

(on right from top to bottom)

Pre-assembled Az/El Mount

Fine-elevation adjustment
with stamped degree scale

Ku feed assembly with LNB
cover



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



2.4 m Receive-Only Antenna System

TYPE 243

The ASC Signal 2.4 m Type 243 Offset Receive-Only 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 any 168 mm (6.63") 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.
- Fine azimuth and elevation adjustments.
- Galvanized 19 mm (.75") O.D. feed support legs.
- Factory pre-assembled Az/El mount.
- Galvanized and stainless hardware for maximum corrosion resistance.
- Available with a wide variety of C-band or Ku-band feeds.

SPECIFICATIONS

Type 243 2.4 m Receive Only Antenna System

RF Performance

	C-band	Ku-band
Effective Aperture	2.4 m (96 in)	2.4 m (96 in)
Operating Frequency	3.7 - 4.2 GHz	10.95 - 12.75 GHz
Polarization	Linear (Circular Optional) ..	Linear (Circular Optional)
Gain @ 3.95/11.95 GHz ...	38.0 dBi	47.6 dBi
3 dB Beamwidth	2.1°	0.7°
Antenna Noise Temperature @ 30° Elevation	36° K	31° K
VSWR *	1.4:1	1.3:1
Antenna Cross Polarization	30 dB on Axis (Linear) ..	30 dB on Axis (Linear)
Feed Interface	CPR-229	WR75 Flat Flange

(All specifications typical)

*Function of feed specificatins

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° - 90° Continuous Fine Adjustment
Azimuth Adjustment Range	360° Continuous ±12° Fine Adjustment
Mast Pipe Interface	168 mm (6.63 in) Diameter
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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