

PRODUCT
SPECIFICATIONS

Detail Photos

(on right from top to bottom)

Pre-assembled Az/El Mount
with stamped degree scale

Optional Ku DBS/DTH LNBF



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



90 cm DBS/DTH Elliptical Antenna System

The ASC Signal Corporation 90 cm antenna is a rugged 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 Az/El 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. The Az/El mount attaches to the included wall/roof mount or any 1.968 inch (50 mm) O.D. mast pipe.

- All materials comply with EU directive No. 2002/95/EC (RoHS).
- One-piece thermoset-molded reflector.
- Powder painted steel feed support arm.
- Feed support arm designed for standard rectangular channel LNBFs.
- Available packed with model CCS 2500 LNBF.

SPECIFICATIONS

90 cm DBS/DTH Elliptical Antenna System

RF Performance

Effective Aperture	90 cm (35.4 in)
Operating Frequency	12.20 - 12.70 GHz
Polarization	Circular (LHCP and RHCP)
Gain	39.70 dBi @ 12.45 GHz
Antenna Noise Temperature @ 30°	36 K

(All specifications typical)

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	
Azimuth Adjustment Range	360° Continuous	
Mast Pipe Interface	1.968 in (50 mm)	
Wind Loading	Operational	80 km/h (50 mph)
	Survival	160 km/h (100 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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ASC-DTH10

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