

PRODUCT  
SPECIFICATIONS

Detail Photos

*(on right from top to bottom)*

Pre-assembled Az/EI Mount  
with stamped degree scale

Optional Ku DBS/DTH LNBF



## 46 cm (18 inch) Antenna System

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



The ASC Signal Corporation 46 cm antenna system is designed for DBS/DTH applications where reliability and durability are essential. The offset reflector is constructed from galvanized steel to provide a rigid and accurate reflective surface.

The Az/EI mount is constructed from galvanized steel to provide the necessary support to the reflector. A specially formulated powder paint process offers excellent protection from weather-related corrosion. The Az/EI mount can be attached to the included wall/roof mount or any 1.66 inch O.D. mast pipe.

- All materials comply with EU directive No. 2002/95/EC (RoHS).
- Fast and simple installation.
- One-piece precision offset galvanized steel reflector.
- Feed support arm designed for standard rectangular channel LNBFs.
- Factory assembled Az/EI mount for optimum alignment capability.
- Plated hardware for maximum corrosion resistance.
- Optional LNBF for Ku DBS/DTH applications.

## SPECIFICATIONS

### 46 cm Antenna System

#### RF Performance

Effective Aperture .....	46 cm (18 in)
Operating Frequency .....	12.20 - 12.70 GHz
Polarization .....	Circular (LHCP and RHCP)
Gain .....	33.90 dBi @ 12.45 GHz
Antenna Noise Temperature @ 30° .....	36 K

*(All specifications typical)*

#### Mechanical Performance

Reflector Material .....	Galvanized Steel	
Antenna Optics .....	One-Piece Offset Feed Prime Focus	
Mount Type .....	Elevation Over Azimuth	
Elevation Adjustment Range .....	20° - 65° Continuous	
Azimuth Adjustment Range .....	360° Continuous	
Mast Pipe Interface .....	1.66 in	
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 <sup>2</sup>	
Shock and Vibration .....	As Encountered During Shipping and Handling	



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ASC-DTH14

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