

ANTENA 1.80M CHANNEL MASTER

\$69,800.00



Antena offset
original transmisora
y receptora para la
Banda KU.

Antena 1.80 Channel Master

Características:

- One-piece precision offset compression molded reflector.
- Heavy-duty galvanized AZ / EL mount.
- Fine azimuth and elevation adjustments.
- Galvanized feed support arm and alignment struts.
- Galvanized and stainless hardware for maximum corrosion resistance.
- Available with a wide variety of C-Band and Ku-Band Rx / Tx feed assemblies and ODU mounting kits.

The Channel Master® Type 183 1.8m Offset Rx / Tx Antenna is a rugged commercial grade product suitable for the most demanding applications. The reflector is compression-molded for strength and surface accuracy. Molded into the rear of each reflector is a network of support ribs which not only strengthens the antenna, but also helps to sustain the critical parabolic shape necessary for transmit performance. The AZ / EL mount is constructed from heavy-gauge steel to provide a rigid support to the reflector and feed support arm. Heavy-duty lockdown bolts secure the mount to any 4.50" O.D. mast and prevent slippage in high winds. Hot-dip galvanizing is standard for maximum environmental protection.

RF PERFORMANCE		C-Band Linear	Ku-Band Linear
Effective Aperture		1.8m (7i in).	1.8m (7i in).
Operating Frequency	Tx Rx	5.850 - 6.725 GHz 3.400 - 4.200 GHz	12.75 - 14.50 GHz 10.70 - 12.75 GHz
Polarización		Linear, Co or Cross - Polarized	Co or Cross - Polarized
Gain (±3 dBi)	Tx Rx	39.3 dBi @ 6.138 GHz 35.4 dBi @ 3.913 GHz	46.8 dBi @ 14.25 GHz 45.3 dBi @ 11.95 GHz
3 dB Beamwidth	Tx Rx	2.0° @ 6.1 GHz 3.0° @ 3.9 GHz	.79° @ 14.3 GHz .99° @ 12.0 GHz
Sidelobe Envelope (Tx, Co-Pol dBi) 2° 20° 26.3° 48° < (-) < 180°		29-25 Log (-) -3.5 32-25 Log (-) -10 (Typical)	29-25 Log (-) -3.5 32-25 Log (-) -10 (Typical)
Antenna Cross-Polarization		>30 dB (on axis)	>30 dB (on axis)
Antenna Noise Temperature**	10° EI	41° k	44° K
(Does not include dissipative losses)	20° EI 30° EI	36° k 33° K	36° K 33° K
VSWR		1.3:1 Max.	1.3:1 Max.
Isolation, Tx to Rx		60 dB Min.	80 dB Min.
Feed Interface	Tx Rx	Type N or CPR-137 CPR-229	WR-75 WR-75
1 for Ku-Band Envelope			

MECHANICAL PERFORMANCE

Reflector Material	Glass Fiber Reinforced Polyester	Temperature	-50°C to 80° C
Antenna Optics	One-Piece Offset Feed Prime Focus	Humidity	0 to 100% (Condensing)
Mount Type	Elevation over Azimuth	Atmosphere	Salt, Pollutans and Contaminants as Encountered in Coastal and Industrial Areas
Elevation Adjustment Range	10°-90° Continuous Fine Adjustment 360°	Solar Radiation	360 BUT/h/ft²
Azimuth Adjustment Range	360° Continuous; ± 20° Fine Adjustment	Shock and Vibration	As Encountered During Shipping and Handling
Mats Pipe Interface	4.50 Inch (114 mm) Diameter		
Wind Loading	Operational: 50 Mi/h Survival: 125 Mi/h		

