Antena 2.40M Channel Master

Características:

- Two-piece precision offset thermoset molded reflector.
- Fine azimuth and elevation adjustments.
- Galvanized feed support arm and alignment struts.
- Factory pre-assembled mount.
- 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 243 2.4m Offset Rx-Tx Antenna is a rugged commercial grade product suitable for the most demanding applications. The two-piece reflector is thermoset-molded for strength and surface accuracy. Molded into the rear of each reflector half 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 6.63 i n .O. D.mast to prevent slippage in high winds. Hot-dip galvanizing is standard for maximum environmental protection.

		C - Band Linear	**Ku - Band Linear**
Effective Aperture		2.4m(96 in.)	2.4m(96 in.)
Operating Frequency	Tx Rx	5.850 - 6.725 GHz 3.400 - 4.200GHz	13.75 - 14.50 GHz 10.70 - 12.75 GHz
Polarization		Linear, Co or Cross - Polarized	Linear, Co or Cross - Polarized
Gain (z.3dBi)	Tx Rx	42.0 dBi @ 6.138 GHz 38.0 dBi @ 3.913 GHz	49.3 dBi @ 14.25 GHz 47.6 dBi @11.95 GHz
3 dB Boamwidth	Tx Rx	1.3° @ 6.1 GHz 2.1° @ 3.9 GHz	.59° @14.3 GHz .71° @ 12.0 GHz
Sidelobe Envelope (Tx, Co-Pol dBi) 2" < Ø 30 dB (on axis)	>30 dB (on axis)		
Antenna Noise Temperature "	10' El 20' El 30' El	40' K 35' K 32' K	42' K 34' K 31' 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 - "Does not include dissipative losses			

Reflector Material	Glass Fiber Reinforced Polyester
Antenna Optics	Two-Piece Offset Feed Prime Focus
Mount Type	Elevation over Azimuth
Elevation Adjust. Rango	10º 90º Continuous Fine Adjustment
Azimuth Adjust Rango	360 Continuous Fine Adjustment
Mast Pipe Interface	6.63 in (168mm) Diameter
Wind Loading	**Operational:** 50 mi/h (80km/h) **Survival:** 125 mi/h (200 km/h)

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Temperature	-50º C to 80º C
Humidity	0 to 100% (Condensing)
Atmosphere	Salt, Pollutants and Contaminants as Encountered in Coastal and Industrial Areas
Solar Radiation	360 BTU/h/ft²
Shock and Vibration	As Encountered During Shipping and Handling

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