

## Elevated Feed Mobile Data Antenna



This elevated feed mobile antenna is designed for installations requiring elevation of the antenna over surrounding objects that could prevent true omnidirectional coverage. It is ideal for public safety vehicles with overhead light bars that often obstruct the RF signal. It is designed to operate both on and off a ground plane without degradation in VSWR performance.

### Features

- Feed point is elevated above its mounting surface, easily clearing the overhead light bars in police and ambulance vehicles which often obstruct the RF signal
- Quiet, closed coil trilinear rod
- Excellent VSWR performance on or off a ground plane
- Rugged molded polymer elevated feed housing and stainless steel spring and rod, for maximum resistance to every day wear and tear
- PCTEL high frequency microwave mounts recommended with this antenna



MEFC24005

### STANDARD CONFIGURATION

Model	Recommended Mount (Sold Separately)
MEFC24005	MLFML195C: 3/4" hole permanent mount, 17 ft. Pro-Flex™ Plus 195, TNC male standard GMLFML195C: magnetic mount, 12 ft. Pro-Flex™ Plus 195, TNC male standard MVPHP: Permanent Mount, 5/8" hole; 1-1/8"-18 thread; vandal proof mount MMF-VP: 3/4" hole vandal-proof mount for frequencies from 0 GHz to 6 GHz. 1-1/8"-18 thread interface. Terminates in SMA, Male connector. No cable**. Accommodates surfaces up to .09-inch thick.

### ELECTRICAL SPECIFICATIONS

Model	Frequency Range	Gain (With/Without Ground Plane)	VSWR	Azimuth Half Power Beamwidth	Elevation Half Power Beamwidth
MEFC24005	2.4-2.5 GHz	5 dBi / 3.5 dBi	< 1.5:1	360°	45°

### ELECTRICAL SPECIFICATIONS, continued

Model	Average Power	Nominal Impedance	Polarization
MEFC24005	50 watts	50 ohms	Vertical, linear

### MECHANICAL & ENVIRONMENTAL SPECIFICATIONS

Model	Antenna Height	Weight	Radiator	Spring Material	Housing Material	Temperature Range
MEFC24005	16" (40.6 cm)	0.5 lbs (0.227 kg)	17-7PH SST	SST	Black UV-Stable ABS	-40°C to +70°C