

## EM-M10001

VHF/UHF Broad Band Quarter-Wave Roof Mount Antenna  
108-520 MHz

- NMO Mount Type
- Black Chrome Finish
- Field Tunable
- O-ring seal for waterproof construction
- Durable Xenoy™ base with TPV over mold dust seal and grip ring

### Electrical Specifications

|                |                             |                     |
|----------------|-----------------------------|---------------------|
| Frequency Band | (Tunable Range)             | 108-520 MHz         |
| VSWR           | (15 MHz Bandwidth @150 MHz) | <2.0:1              |
|                | (50 MHz Bandwidth @450 MHz) | <1.5:1              |
|                | (100 MHz @450 MHz)          | <2.0:1              |
| Impedance      |                             | 50Ω                 |
| Gain (dBi)     |                             | 2.0                 |
| Power Rating   |                             | 100 W               |
| Polarization   |                             | Linear, Vertical    |
| E-Plane        |                             | 50 Degrees, Nominal |
| H-Plane        |                             | Omnidirectional     |
| Groundplane    |                             | Required            |

### Mechanical Specifications

|                                |            |                                  |
|--------------------------------|------------|----------------------------------|
| Overall Length                 | (@108 MHz) | 29 in. (737mm)                   |
|                                | (@150 MHz) | 19.75 in. (502mm)                |
|                                | (@450 MHz) | 7.75 in. (197mm)                 |
| Whip Material, Finish          |            | 17-7 SS, Black Chrome            |
| Spring Material                |            | 17-7 SS, Black Chrome            |
| Base Material                  |            | Xenoy™ w/TPV over mold grip ring |
| Mounting Application           |            | ¾ inch Thru-Hole NMO Mount       |
| NMO Cable Assembly & Connector |            | Sold Separately                  |
| Operating Temperature          |            | -40° to 85° C                    |
| Humidity                       |            | 95%                              |

