em wave inc.

Product Data Sheet



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 IP67 Rated waterproof construction
- Durable ASA Base with TPU 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		ASA w/TPU over mold grip ring ¾
Mounting Application		inch Thru-Hole NMO Mount
NMO Cable Assembly & Connector		Sold Separately
Operating Temperature		-40° to 85° C
Humidity		95%

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