

Product Specification



CCAT-120-NM

UHF Omni Antenna

- **Omnidirectional UHF Antenna**
- **Covers 406 - 512 MHz**
- **Several Mounting Options**

Electrical Specifications

FREQUENCY RANGE	406 - 512 MHz
NOMINAL GAIN	Unity
BANDWIDTH (1.5:1 VSWR)	20 MHz
PATTERN	Omnidirectional
POLARIZATION	Vertical
VERTICAL BEAMWIDTH (with Vert. Pol)	75°
POWER RATING	100 W Avg.
NOMINAL IMPEDANCE	50 Ohms

Environmental Specifications

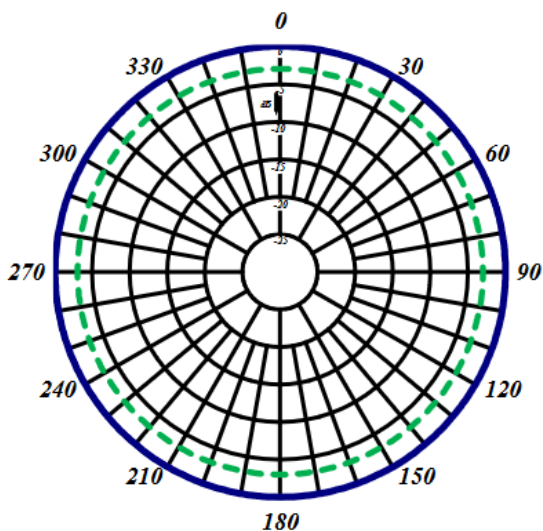
WEATHERIZATION	For Outdoor Use
LIGHTNING PROTECTION	DC Ground

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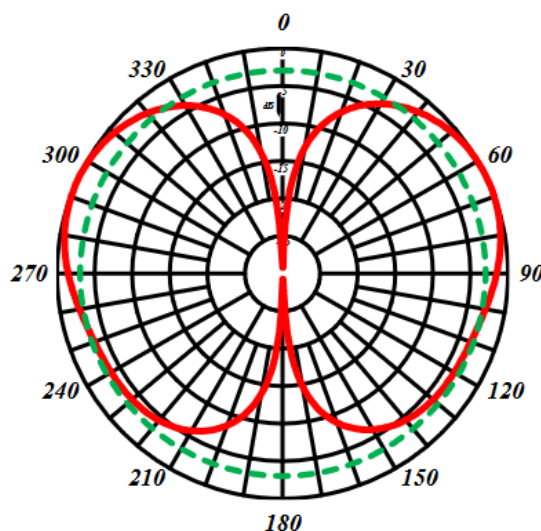
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Mechanical Specifications

CONNECTOR	Type 'N' Male
LENGTH	24 Ins. [610 mm]
WEIGHT	1.4 lbs. [0.7 kg]
RATED WIND VELOCITY, NO ICE	150 MPH [241 km/h]
RATED WIND VELOCITY, 0.5" [13mm]	100 MPH [161 km/h]
LATERAL THRUST	3.9 ft lbs. [1.8 kg*m] @ 100 MPH [161 km/h]
BENDING MOMENT @ TOP CLAMP	1.84 ft lbs. [0.25 kg*m] @ 100 MPH [161 km/h]
PROJECTED AREA	0.15 ft ² [0.014 m ²]
MAST MOUNTING	Clamp Included



Horizontal Pattern



Vertical Pattern

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