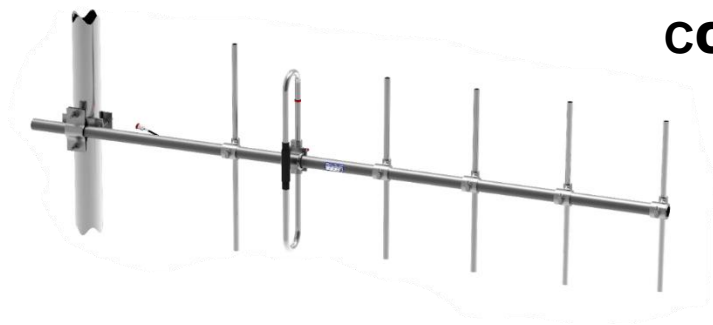


# Product Specification



## CCAT-118-NF

### Yagi Antenna

- **6 Element VHF Antenna**
- **Covers 138 - 174 MHz**
- **Several Mounting Options**

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## Electrical Specifications

FREQUENCY RANGE	138 - 174 MHz
NOMINAL GAIN	9.5 dBd
NUMBER OF ELEMENTS	6
BANDWIDTH (2.0:1 VSWR)	4%
PATTERN	Directional
POLARIZATION	Vertical or Horizontal
HORIZONTAL BEAMWIDTH (with Vert. Pol)	60°
VERTICAL BEAMWIDTH (with Vert. Pol)	50°
HORIZONTAL BEAMWIDTH (with Hort. Pol)	50°
VERTICAL BEAMWIDTH (with Hort. Pol)	60°
FRONT TO BACK	17 dB
POWER RATING	350 W Avg.
NOMINAL IMPEDANCE	50 Ohms

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## Environmental Specifications

WEATHERIZATION	FOR OUTDOOR USE
LIGHTNING PROTECTION	DC GROUND

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# Product Specification



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## Mechanical Specifications

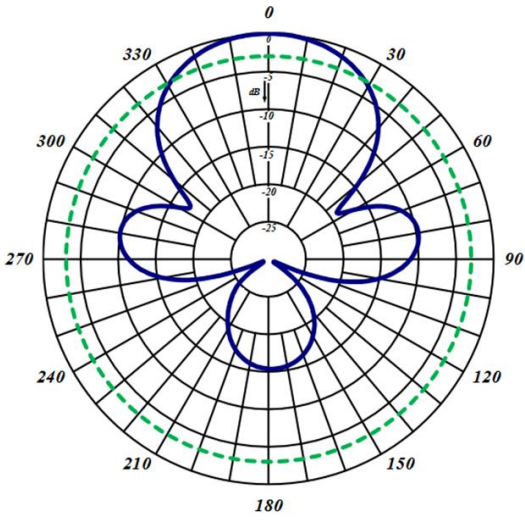
CONNECTOR	Type 'N' Male
WIDTH	42 Ins. [1067 mm]
LENGTH	108 Ins. [2743 mm]
WEIGHT	12.0 lbs. [5.4 kg]
RATED WIND VELOCITY, NO ICE	120 MPH [177 km/h]
RATED WIND VELOCITY, 0.5" [13mm] ICE	85 MPH [137 km/h]
LATERAL THRUST	65 lbs. [29 kg] @ 100 MPH [161 km/h]
PROJECTED AREA	2.4 ft <sup>2</sup> [0.22 m <sup>2</sup> ]
MOUNTING HARDWARE	Clamp Provided

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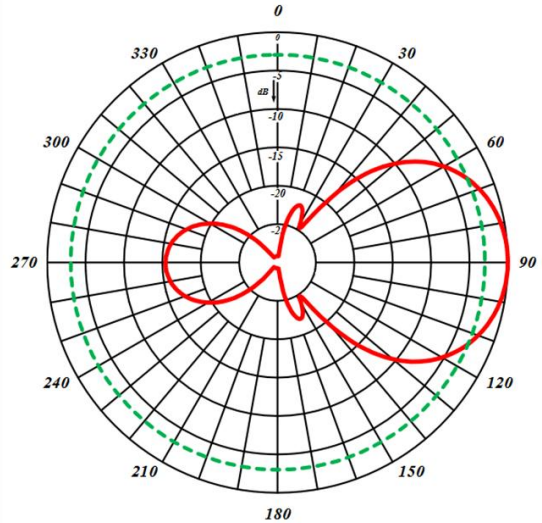
# Product Specification



Top View



Horizontal Pattern (Vertical Polarization)



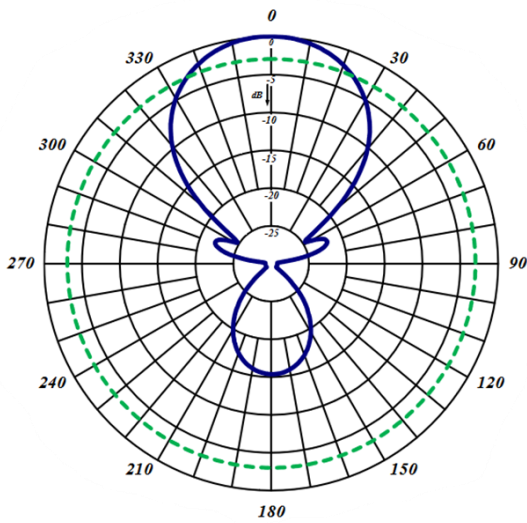
Vertical Pattern (Vertical Polarization)



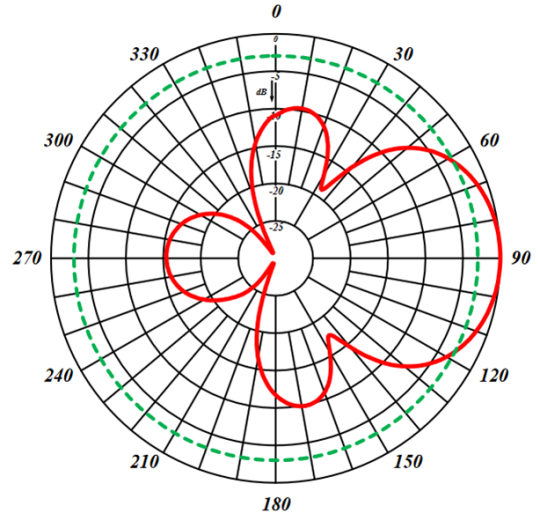
Side View



Top View



Horizontal Pattern (Horizontal Polarization)



Vertical Pattern (Horizontal Polarization)



Side View

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