

RF-ROR-345 Heat Detector

Antenna info

Overview:

- **Antenna description:**

The antenna is a brass rod antenna. Shaped in a circular form and used in a monopole arrangement.

Power:

- Unit is powered by a 3V CR123A lithium battery.

Antenna design:

Frequency 325 MHz

Length 6 inches

Diameter 0.055 inches

Capacitance 4.245 pF

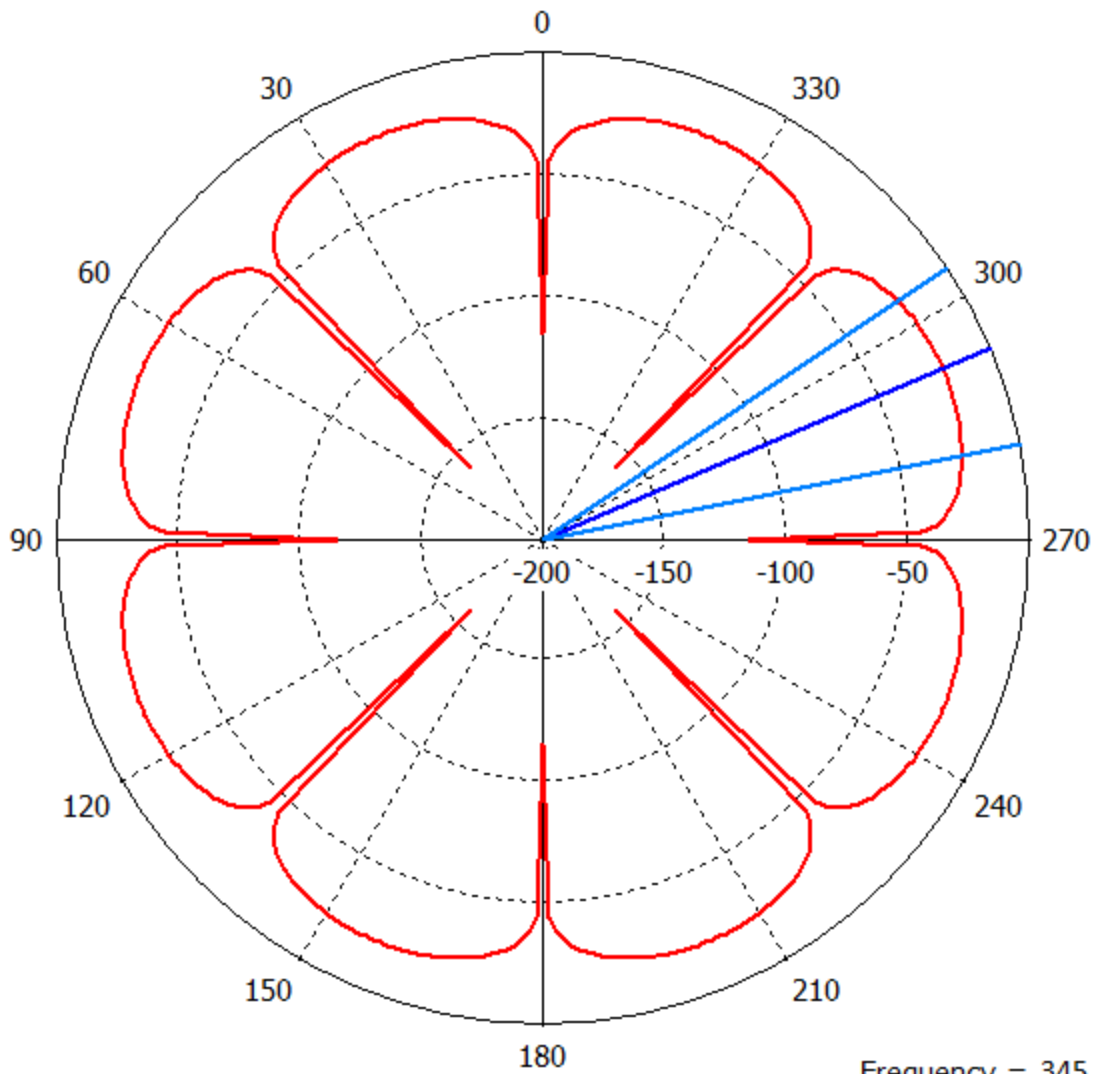
Inductance 50.129 nH

Quarter Wavelength 0.217 m

Antenna Length 70.104 %

Radiation Resistance 0.00 Ohms

Farfield Directivity Phi (Theta=90)



Phi / Degree vs. dBi

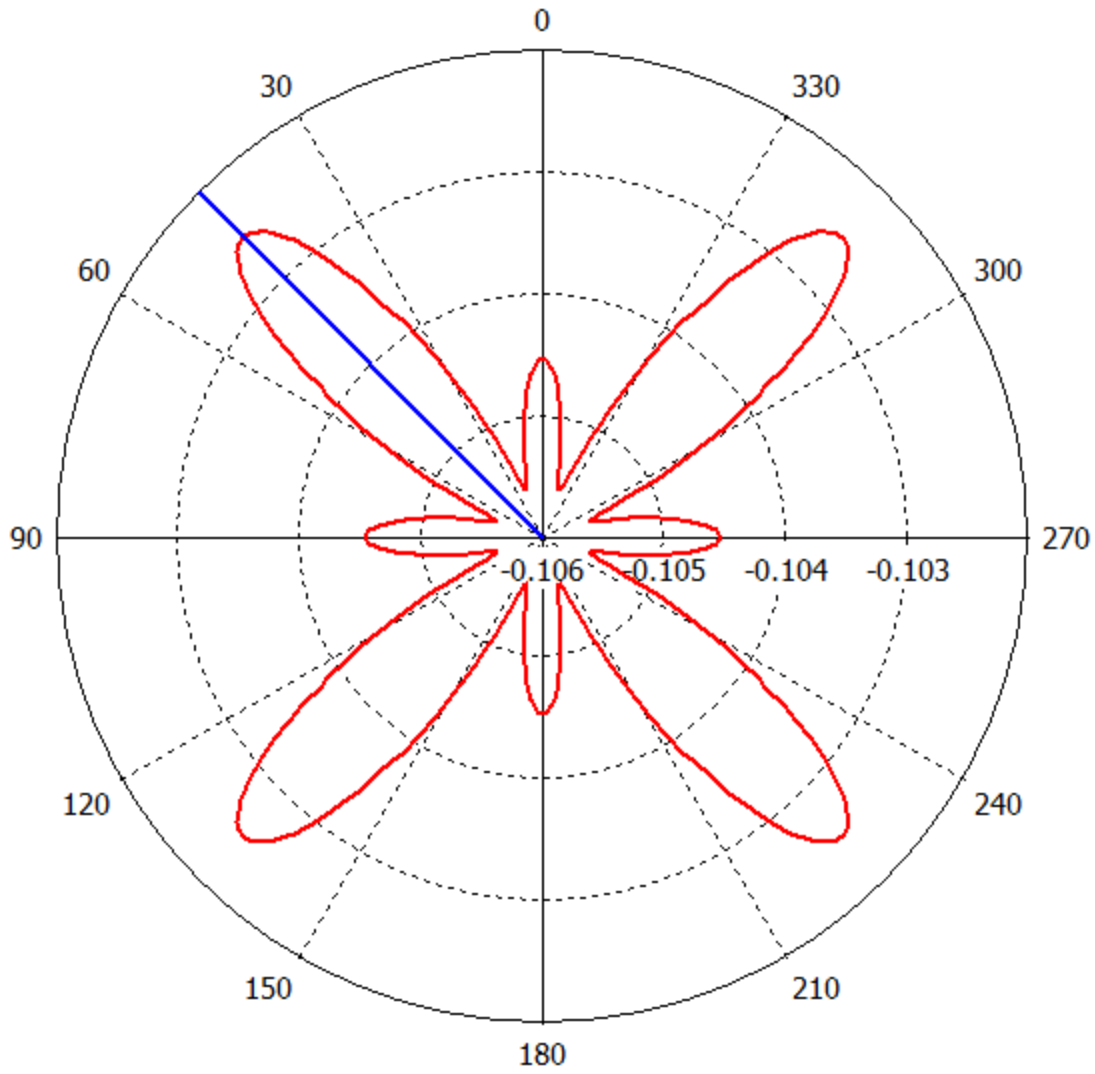
Frequency = 345 MHz

Main lobe magnitude = -21.3 dBi

Main lobe direction = 293.0 deg.

Angular width (3 dB) = 22.5 deg.

Farfield Directivity Theta (Theta=90)



Phi / Degree vs. dBi

Frequency = 345 MHz

Main lobe magnitude = -0.103 dBi

Main lobe direction = 45.0 deg.