

Circular Polarized Fixed Reader RFID Antenna

Micronetics MAANAT0144 is a circularly polarized fixed reader RFID antenna. High gain (7.5 dBil typical) and broad-beam width (66°) increase read range for all tag types and orientations while low VSWR (1.25:1) keeps reflected power to a minimum to increase read rates.

Features

- Gain: 6.2 dB Typical
- Low VSWR: 1.25:1 Typical
- Beam-width: 66° Typical, 3 dB Beam-width
- Polarization: LHCP or RHCP
- 10K Ω Sensing Circuit Resistor
- Frequency 902-928 MHz

Mechanical Features

- Dimensions: 8.8" x 8.8" x 1.0"
- Weight: 0.8 lbs
- Cable: RP-TNC jack connector

Electrical Specifications

TA = 25°C, Z₀ = 50 Ω

Test conditions room ambient

Parameter	Units	Min.	Typ.	Max.
VSWR	-	1.1:1	1.3:1	1.5:1
Gain	dBil	7.1	7.5	8.0
Beamwidth	Deg	63	66	69

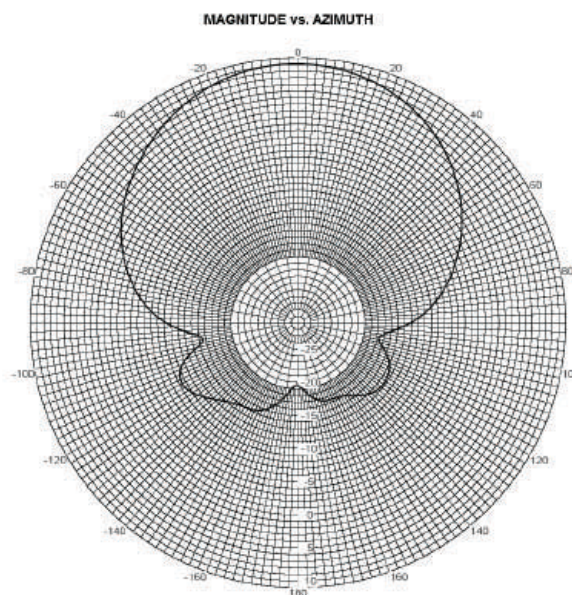
Absolute Maximum Rating¹

Operating temperature: +80°C
Storage temperature: +80°C
Relative Humidity: +95%

Note 1. Operation of this device above any one of these parameters may cause permanent damage.



Radiation Pattern



Ordering Information

(North America 902-928 MHz)

Model Number	Package
MAANAT0144	As requested