

Dual Circular Polarized Slimline Antenna (North America 902-928 MHz)

Micronetics MAANAT0123 is a dual circularly polarized fixed reader antenna. High gain (6.9 dBil) and broad beam-width (66°) increase read range while low VSWR (1.4:1) minimizes wasted power in reader systems. Using our patent pending technology, the antenna's light weight (1.8 lbs) and small footprint (19.6" x 8.6" x 1.6") are ideal for all RFID applications.

Features

- Gain: 6.9 dB Typical
- Low VSWR: 1.4:1 Typical
- Isolation: -33 dB Typical
- Beam-width: 66° Typical, 3 dB Beam-width
- Polarization: LHCP or RHCP
- 10K Ω Sensing Circuit Resistor
- Frequency 902-928 MHz

Mechanical Features

- 13mm M5 studs per VESA 100 standards
- Dimensions: 19.6" x 8.6" x 1.6"
- Weight: 1.8 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	1.4:1	1.6:1
Isolation	dB	-30	-33	-45
Gain	dBil	6.3	6.9	7.7
Beamwidth	Deg	62	65	69

Absolute Maximum Rating¹

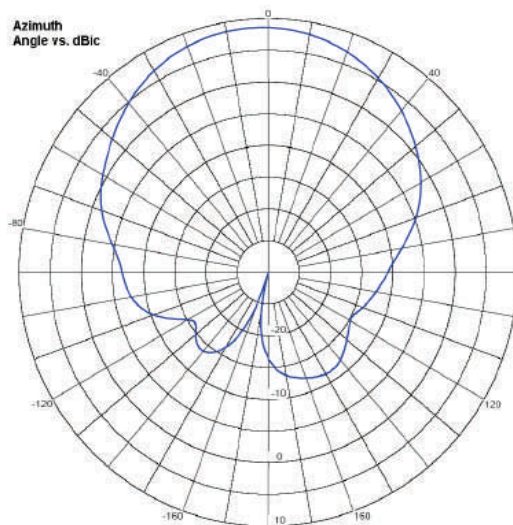
Operating temperature: +80°C
Storage temperature: +80°C
Relative Humidity: +95%

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



Radiation Pattern

Gain



Ordering Information

Model Number	Package
MAANAT0123	As Requested