

Dual Circular Polarized Slimline Antenna (Europe 865-868 MHz)

Micronetics MAANAT0134 is a dual circularly polarized fixed reader antenna for European RFID applications. High gain (5.8 dBil Typical) and broad beam-width (67°) 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: 5.8 dB Typical
- Low VSWR: 1.4:1 Typical
- Isolation: -33 dB Typical
- Beam-width: 67° Typical, 3 dB Beam-width
- Polarization: LHCP or RHCP
- 10K Ω Sensing Circuit Resistor
- Frequency 865-868 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

Parameter	Units	Min.	Typ.	Max.
VSWR	-	1.1:1	1.4:1	1.6:1
Isolation	dB	-30	-33	-45
Gain	dBil	5.2	5.8	6.3
Beamwidth	Deg	65	67	69

Test conditions room ambient

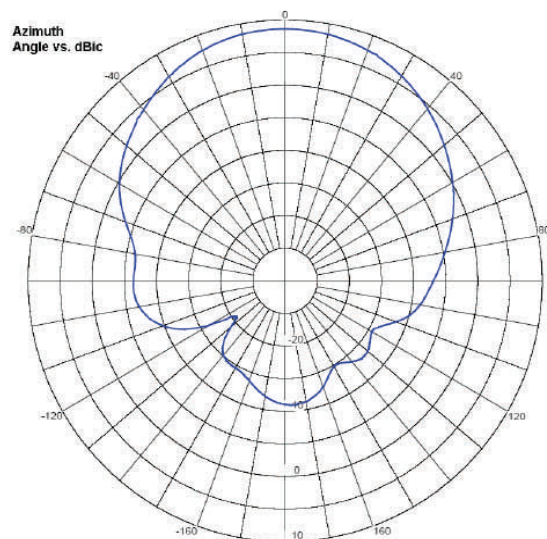
Absolute Maximum Rating¹

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



Radiation Pattern

Gain



Ordering Information

Model Number	Package
MAANAT0134	As Requested