

Slimline RFID Antenna — Europe Dual Circular Polarized, 865-868 MHz

MAANAT0134

Features

- Gain: 5.8 dBil Typical
- VSWR: 1.4:1 Typical
- Isolation: -33 dB Typical
- Beamwidth: 67° 3dB Beamwidth
- Polarization: LHCP, RHCP
- 10K Ω Sensing Circuit Resistor
- 13mm M5 Studs per VESA 100 Std.
- 19.6" x 8.8" x 1.6" Overall Dimensions
- RP-TNC Female Connectors

Description

M/A-COM's MAANAT0134 RFID antenna is a dual circularly polarized fixed reader antenna for European applications. Broad beamwidth (67° Typical) and good gain (5.8 dBil Typical) increases read range and low VSWR (1.4:1 Typical) 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 8.8" x 1.6") are ideal for all RFID applications. A 10K Ω sensing resistor provides for easy system setup.

Item Picture



Electrical Specifications: $T_A = 25^{\circ}\text{C}$, $Z_0 = 50\Omega$

Parameter	Test Conditions	Frequency	Units	Min	Typ	Max
VSWR	Room Ambient	865-868 MHz	-	1.1:1	1.4:1	1.6:1
Isolation	Room Ambient	865-868 MHz	dB	-30	-33	-45
Gain	Room Ambient	865-868 MHz	dBil	5.2	5.8	6.3
Beamwidth	Room Ambient	865-868 MHz	Deg	65	67	69

Absolute Maximum Ratings¹

Parameter	Absolute Maximum
Operating Temperature	+80°C
Storage Temperature	+80°C
Relative Humidity	+95%

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

Ordering Information

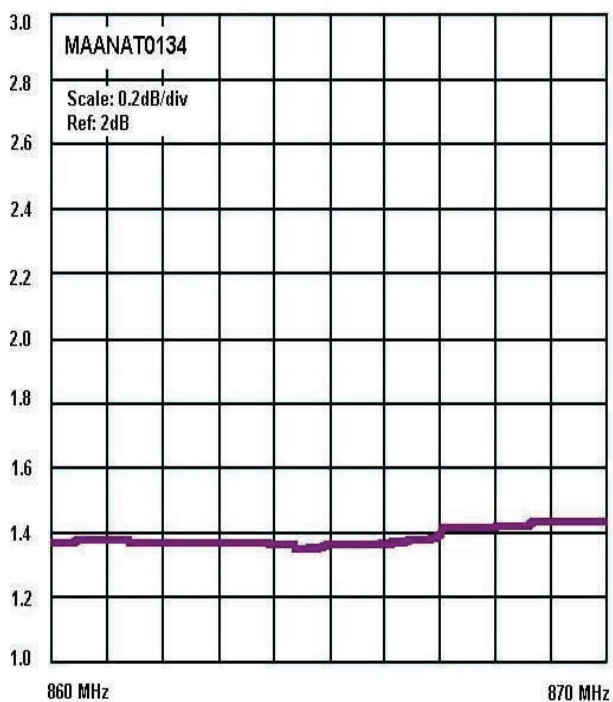
Part Number	Package
MAANAT0134	As Requested

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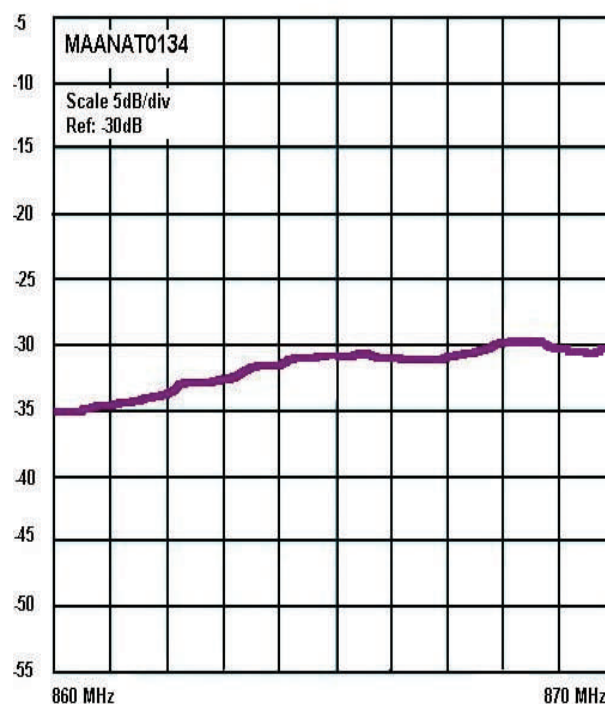
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Typical Performance Curves

VSWR



Isolation



Gain

