

**Slimline RFID Antenna — Japan
Dual Circular Polarized, 950-956 MHz**

MAANAT0133

Features

- Gain: 7.0 dBil Typical
- VSWR: 1.4:1 Typical
- Isolation: -33 dB Typical
- Beamwidth: 65° 3dB Beamwidth
- Polarization: LHCP, RHCP
- 10KΩ Sensing Circuit Resistor
- 13mm M5 Studs per VESA 100 Std.
- 19.6" x 8.8" x 1.6" Overall Dimensions
- RP-TNC Jack Connectors

Item Picture



Description

M/A-COM's MAANAT0133 RFID antenna is a dual circularly polarized fixed reader antenna for Japanese RFID applications. High Gain (7.0 dBil typical) and broad beamwidth (65° Typical) increases read range while 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 10KΩ sensing resistor provides for easy system setup.

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

Parameter	Test Conditions	Frequency	Units	Min	Typ	Max
VSWR	Room Ambient	950-956 MHz	-	1.1:1	1.4:1	1.6:1
Isolation	Room Ambient	950-956 MHz	dB	-30	-33	-45
Gain	Room Ambient	950-956 MHz	dB	6.5	7.0	7.5
Beamwidth	Room Ambient	950-956 MHz	Deg	62	65	68

Absolute Maximum Ratings ¹

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

Ordering Information

Part Number	Package
MAANAT0133	As Requested

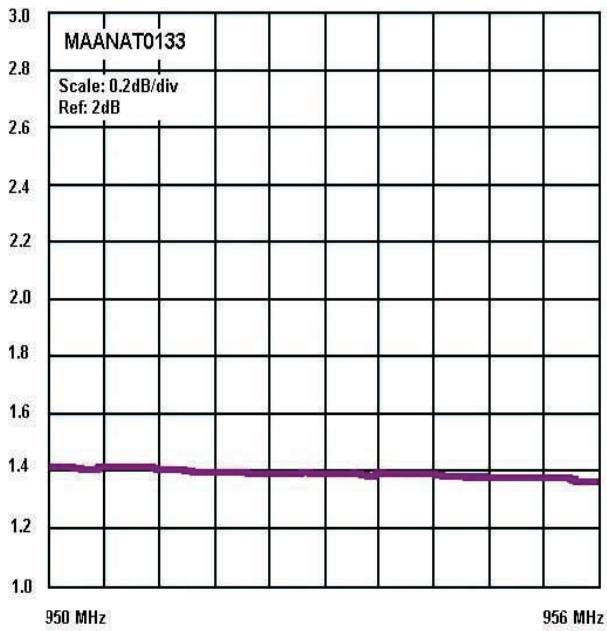
1. Operation of this device above any one of these parameters may cause permanent damage.

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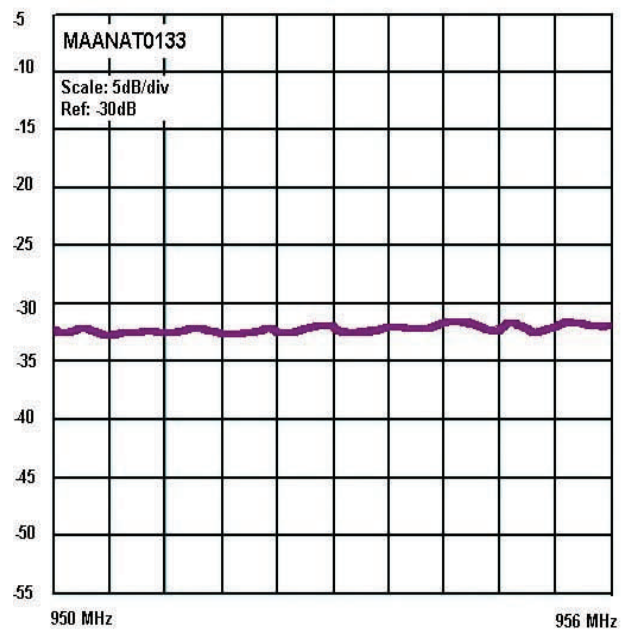
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Typical Performance Curves

VSWR



Isolation



Gain

