

Circular Polarized Mono-Static RFID Antenna Europe & India

MAAN-000199-AT0000

Features

- Gain: 6.2 dBil Typical
- VSWR: 1.25:1 Typical
- Beamwidth: 66° 3dB Beamwidth
- Polarization: LHCP, RHCP
- 10K Ω Sensing Circuit Resistor
- 13mm M5 Studs per VESA 100 Std.
- 22.3 cm x 22.3 cm x 2.54 cm Overall Dimensions
- RP-TNC Jack Connector

Description

M/A-COM's MAAN-000199-AT0000 is a mono-static RFID antenna for most European and Indian applications. Low axial ratio (< 1.5 dB) and broad beamwidth (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. The antenna's light weight (0.363 kg) and small footprint (22.3 cm x 22.3 cm x 2.54 cm) are ideal for all RFID applications.

Overview



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	1.25:1	1.5:1
Axial Ratio	Room Ambient	865-868 MHz	dB	1	1.2	1.4
Gain	Room Ambient	865-868 MHz	dBil	6.0	6.2	6.4
Beamwidth	Room Ambient	865-868 MHz	Deg	63	66	69

Absolute Maximum Ratings ¹

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

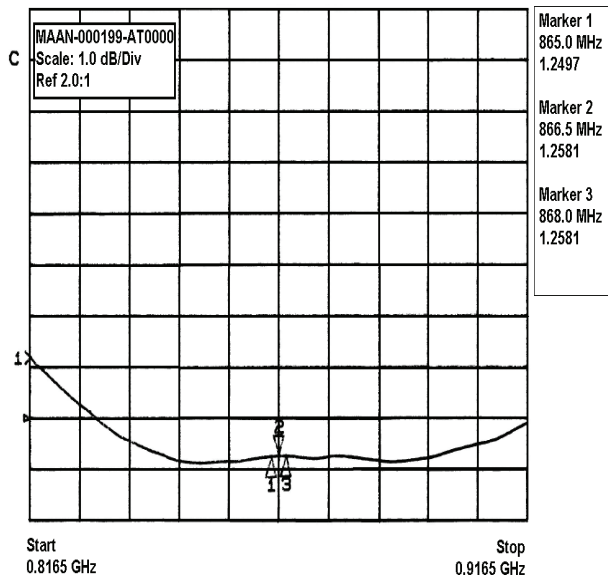
Part Number	Package
MAAN-000199-AT0000	As Requested

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Typical Performance Curves

VSWR



Radiation Pattern

