

**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
- 10KΩ 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 <sup>1</sup>**

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

**Ordering Information**

Part Number	Package
MAAN-000199-AT0000	As Requested

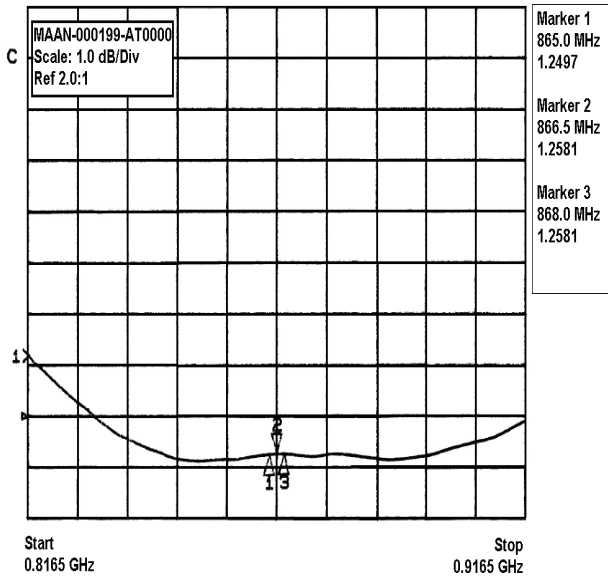
1. Operation of this device above any one of these parameters may cause permanent damage.

**Circular Polarized Mono-Static RFID Antenna  
Europe & India**

**MAAN-000199-AT0000**

**Typical Performance Curves**

**VSWR**



**Radiation Pattern**

