

Circular Polarized Mono-Static RFID Antenna (Europe 865-868 MHz)

MAAN-000199-AT0000 is a mono-static RFID antenna for most European applications. Low axial ratio (<1.5 dB) and broad beam width (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.

Features

- Gain: 6.2 dB Typical
- Low VSWR: 1.25:1 Typical
- Beam-width: 66° Typical, 3 dB Beam-width
- Polarization: LHCP or RHCP
- 10KΩ Sensing Circuit Resistor
- Frequency 865-868 MHz

Mechanical Features

- 13mm M5 studs per VESA 100 standards
- Dimensions: 22.3 cm x 22.3 cm x 2.54 cm
- Weight: 0.363 kg
- Cable: RP-TNC jack connector

Electrical Specifications

TA = 25°C, Z₀ = 50Ω
Test conditions room ambient

Parameter	Units	Min.	Typ.	Max.
VSWR	-	1.1:1	1.25:1	1.5:1
Axial Ratio	dB	1	1.2	1.4
Gain	dBil	6.0	6.2	6.4
Beamwidth	Deg	63	66	69

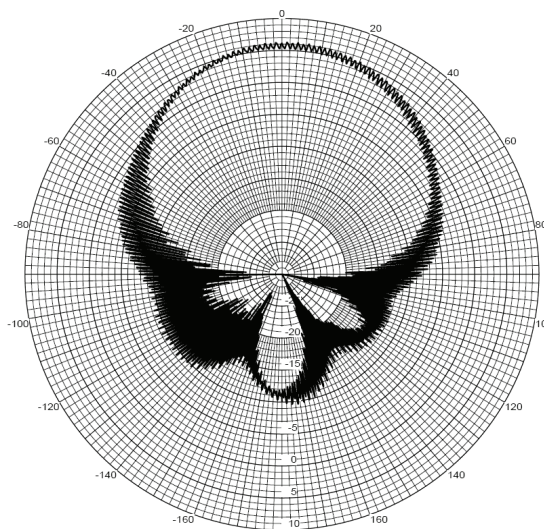
Absolute Maximum Rating¹

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

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



Radiation Pattern



Ordering Information (Europe 865-868 MHz)

Model Number	Description
MAAN-000199-AT0000	Circular Broad-beam Antenna