



Single Patch RFID Antenna – Europe 865 – 870 MHz, Circular Polarized

RFA01

Features

Item Picture

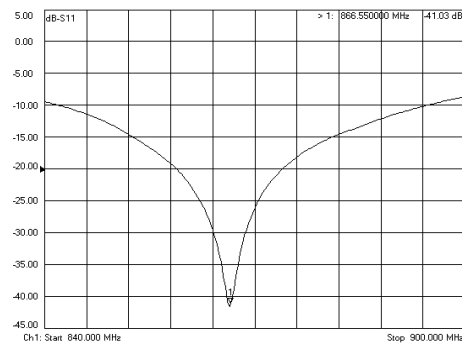
- Gain 7 dBi Typical
- VSWR 1.2:1 Typical
- 3 dB Beamwidth 65°
- Polarization RHCP
- Dimensions 260x260x55 mm
- 4 Mounting Holes
- SMA Female Connector
- Low Cost



Description

RFA01 RFID antenna is a circularly polarized fixed reader antenna. Read range is increased by high gain (typ. 8 dBi) and low VSWR (1.2:1) minimizes wasted power in a reader.

VSWR



Electrical Specifications: T_A = 25 °C, Z₀ = 50 Ω

Parameter	Test Conditions	Min	Typ	Max	Unit
Frequency	Room Ambient	865	–	870	MHz
VSWR	Room Ambient	–	1.2:1	1.5:1	–
Gain	Room Ambient	6	7	8	dBi
Beamwidth	Room Ambient	55	65	75	Deg

Absolute Maximum Ratings

Parameter	Absolute Maximum
Operating Temperature	–20 °C, +55 °C
Storage Temperature	–30 °C, +80 °C
Relative Humidity	95 % Non Condensing
Maximum Input Power	40 dBm

Ordering Information

Part Number	Package
RFA01	Standard Version
RFA01-C	Custom Version