

RFID Patch Antenna

860 - 960 Mhz, Circular Polarization

Product code: PATCH-A0025



This antenna covers both EU and USA RFID bands. The antenna has been designed to be waterproof and is easy to install. It is circularly polarised for reading in any orientation. It can be used for improved indoor GSM coverage, due to circular polarisation. VSWR is typically less than 1.2:1, giving a return loss better than 20dB.

Features:

- 860 - 960 MHz.
- Extremely low VSWR return loss .
- Circularly Polarised.
- Low axial ratio for optimum transmitted power.
- Wall mountable.

Application areas:

- RFID readers.
- UHF.

Specifications:

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Electrical:

Gain (max) 7 dBi \pm 1dBi
 Gain (min over frequency band) 6.5 dBi \pm 0,5 dBi
 Input Frequency 860 - 960 MHz
 VSWR < 1.3:1
 Axial ratio < 1dB
 Power handling 10 W
 Polarisation Circular
 Input Impedance 50 Ohm (nominal)

Mechanical:

Dimensions 245 mm x 235 mm x 40 mm
 Weight 470 g

Environmental:

Operating Temperature* -20°C to +70°C
 Max wind speed** Calculated to 160km/h (without ice)
 Rain*** IP 66 (Nema 4X)
 Shock 40g for 10ms

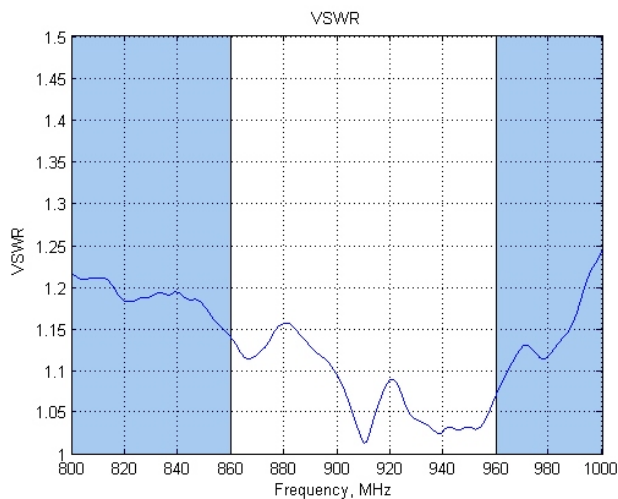
* VSWR tested at min and max temperatures

** Tested to 120km/h

*** VSWR and Gain measurements done 100mm \pm 10mm/hr

VSWR and Gain Measurements:

VSWR:



Gain

