

UHF Patch Antennas



Applications

- Label Encoding
- Self-Check In / Out
- Handheld Computer
- Product Identification
- Access Control

RFID Options

- UHF (868 \pm 4 MHz or 922 \pm 4 MHz)

Description

These circular polarised Patch Antennas are especially designed for operation in the EU or US UHF RFID band.

Their small-band design allows an extra in gain, so with this small form-factor a maximum can be achieved.

Our UHF Antennas are perfect for integration into mobile devices, self-checkout system and much more applications.

You have the choice of four various sizes, according to your storage and application needs.

Technical Data

A901

Product Specification	
Product description	Patch Antenna for UHF frequency
Operating frequency	868 ±4 MHz or 922 ±4 MHz
Gain	4 dBic
Polarisation	Right hand circular polarised (RHCP)
Bandwidth (MHz)	10
V.S.W.R	1.3:1
Frequency Temperature Coefficient (ppm/°C)	10
Impedance:	50 Ohms
RF Cable	RG174 (10cm)
RF Connector	UFL
Dimensions	Groundplate: 90 x 90 x 6mm Antenna: 64 x 64mm
Operating Temperature	-10 °C ... +55 °C

A902

Product Specification	
Product description	Patch Antenna for UHF frequency
Operating frequency	868 ±4 MHz
Gain	-1 dBic
Polarisation	Right hand circular polarised (RHCP)
Bandwidth (MHz)	2
V.S.W.R	1.5:1
Frequency Temperature Coefficient (ppm/°C)	10
Impedance:	50 Ohms
RF Cable	RG174 (10cm)
RF Connector	UFL
Dimensions	Groundplate: 40 x 40 x 5mm Antenna: 36 x 36mm
Operating Temperature	-10 °C ... +55 °C

A903

Product Specification	
Product description	Patch Antenna for UHF frequency
Operating frequency	868 ±4 MHz or 922 ±4 MHz
Gain	-8 dBic
Polarisation	Right hand circular polarised (RHCP)
Bandwidth (MHz)	2
V.S.W.R	1.5:1
Frequency Temperature Coefficient (ppm/°C)	10
Impedance:	50 Ohms
RF Cable	RG174 (10cm)
RF Connector	UFL
Dimensions	Groundplate: 20 x 20 x 5mm Antenna: 18 x 18mm
Operating Temperature	-10 °C ... +55 °C

A904

Product Specification	
Product description	Patch Antenna for UHF frequency
Operating frequency	868 ±4 MHz
Gain	-1 dBic
Polarisation	Right hand circular polarised (RHCP)
Bandwidth (MHz)	2
V.S.W.R	1.5:1
Frequency Temperature Coefficient (ppm/°C)	10
Impedance:	50 Ohms
RF Cable	RG174 (10cm)
RF Connector	UFL
Dimensions	Groundplate: 70 x 70 x 5mm Antenna: 36 x 36mm
Operating Temperature	-10 °C ... +55 °C

Order Codes

Version	Order Code
A901	OEM-UHF-A901-GP-UFL
A901 (FCC)	OEM-UHF-GP-A901-UFL-FCC
A902	OEM-UHF-A902-GP-UFL
A903	OEM-UHF-A903-GP-UFL
A903 (FCC)	OEM-UHF-GP-A903-UFL-FCC
A904	OEM-UHF-A904-GP-UFL

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