

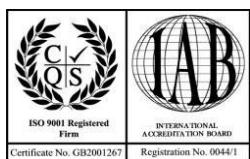
UHF RFID antenna details



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History

Version	Date	Modifications	Approved By	Date	Sign
1.0	13 th January 2011	First version.	DAC		

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1. Specifications

	40x40mm antenna	79x79mm antenna
Operating Frequency	902MHz to 928MHz	902MHz to 928MHz
Return loss	15dB or greater	15dB or greater
Impedance	50Ω	50Ω
Dimensions	40mmx40mmx10mm	79mmx79mmx8mm
Polarisation	Right hand circularly polarised	Right hand circularly polarised
Gain	Maximum 0.5dBiC	Maximum 2.5dBiC
Beamwidth	>130°	>130°
Axial ratio	<2.0	<2.0
Connection	U.FL connector on 80mm of 1.32mm diameter coaxial cable.	U.FL connector on 80mm of 1.32mm diameter coaxial cable.

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2. Photographs

2.1. 40mm x 40mm antenna



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2.2. 79x79mm antenna



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+ About TSL

TSL designs and manufactures both standard and custom embedded, snap on and standalone peripherals for handheld computer terminals. Embedded technologies include:

- GPS
- RFID – Low Frequency, High Frequency and UHF
- GPRS/GSM
- IrDA
- Contact Smartcard
- Fingerprint Biometrics
- 1D and 2D Barcode Scanning
- Bluetooth
- 802.11 WiFi
- Magnetic Card Readers
- OCR – B and ePassport

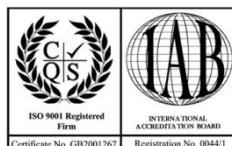
Utilizing class leading Industrial design, TSL develops products from concept through to high volume manufacture for Blue Chip companies around the world. Using the above technologies TSL develops innovative products in a timely and cost effective manner for a broad range of handheld devices.

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