MAGICSTRAP®

- World's smallest UHF RFID tag* achieved by embedding the RF circuit into LTCC base.
- Contributes to human error reduction, inventory management of medical devices

* Only for close-range reading. Possible to extend read range with external antenna

Applications
- Medical inventory management
- Prevention of human errors
- Unique Device Identification (UDI)

Features
- Possible to mount in tight spaces (smaller than barcode)
- Possible to mount on metal surfaces
- Possible to read without antenna (close range)
- High reliability due to aging

RFID value creators
Scalable RFID solutions adding value to the electronics value chain...

MAGICSTRAP® is a registered trademark of Murata Manufacturing Co. Ltd.

www.murata.eu
info@murata.eu
Supply chain management
Access information about the product throughout the whole supply chain

MAGICSTRAP® on PCB
Add one component and make your PCB smart

Types of antennaless use

<table>
<thead>
<tr>
<th>P/N Type</th>
<th>Size (mm)</th>
<th>Feature</th>
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<th>ES</th>
<th>MP</th>
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<td>3.2 x 1.6 x 0.7</td>
<td>SMD, user memory, UHF</td>
<td>NXP - G2XM - 512 bits</td>
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<td>2.5 x 2.0 x 0.7</td>
<td>i2C, UHF, 3.3kbit memory, UHF</td>
<td>NXP - G2i2C - 3.3k bits</td>
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Types of RFID in electronics

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Illustration Antennaless Use

Electronic device in package

PC Interface

Serial number / data

Power, Data & Commands

Read

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