Dynamic Tags for Application Flexibility
RFID Ultra High Frequency (UHF) Tags from Symbol Technologies are Electronic Product Code (EPC)™-compliant Class 0 tags. These passive tags create real-time visibility for identifying and tracking objects moving through the supply chain or on and off the shelves.

Symbol RFID tags are ideal for applications where unique identification and non line-of-sight data capture is a necessity. The tags are easily attached to containers, pallets and boxes. A full duplex protocol offers faster data collection, and a variety of tag form factors provide a full suite of affordable options.

Symbol Read-Only Class 0 Tags
Read/Write Class O Tags

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Read-Only Class 0 Tags</th>
<th>Read/Write Class O Tags</th>
</tr>
</thead>
<tbody>
<tr>
<td>Functionality</td>
<td>Read-only (factory programmed)</td>
<td>Write many, write once, read many (user programmed)</td>
</tr>
<tr>
<td>Specification</td>
<td>112-bit</td>
<td>2-page memory, 288 total bits: 128-bit unique ID, 128-bit user data and 32-bit control page for lock and kill features</td>
</tr>
<tr>
<td>Frequency</td>
<td>UHF</td>
<td>UHF</td>
</tr>
</tbody>
</table>

Versatile Tag Formats for Use with Many Applications
RFID UHF tags are available in four different formats: inlays, adhesive inlays, labels and converted products. Inlays include both the RFID chip and antenna mounted on a substrate. The adhesive inlay format simply adds a pressure-sensitive adhesive to the back of the inlay. Labels are RFID adhesive inlays attached to thermal transfer labels for use in printers. Converted products provide an inlay that is laminated or encapsulated into a specialized package. This package includes plastic, rubber or other material that can be custom designed, molded or laminated.

Cost-Effective, Accurate Data Capture
RFID UHF passive tags complement the portfolio of Symbol enterprise mobility solutions that enable organizations to capture, move and manage critical information to and from every point of business activity. Designed for a variety of supply chain applications, EPC-compliant RFID UHF tags deliver affordable, unique identification and tracking for items, cases and pallets.

Services for a More Successful Mobility Solution
Symbol offers a full suite of services, including complete analysis, design, installation, training and ongoing support for the seamless deployment, management and continued support of your RFID solution.

For more information, contact us at +1.800.722.6234 or +1.631.738.2400, or visit us on the web at www.symbol.com/rfid.
RFID UHF Standard Tag Inlays Specification Highlights

In addition to the standard tags listed below, Symbol has developed several product offerings for custom applications and also develops customized tag inlays pending the application specification and volume needed. For finished RFID converted label products using the tag inlays below, contact your Symbol sales representative.

For all read-only tags listed below, the following specifications apply: RF EPC Class 0 protocol, Version 1, memory 16-bit; Read rate: up to 1,000 tags/second.

### Available in Both Read/Write (256-bit) and Read-Only (96-bit) Tag Inlays

**Single Dipole**
- General use case, carton or asset label tag
- General use case label tag
- General use case tag inlay w/ no adhesive
- Demo kit 100-pack

**Dual Dipole**
- Generic item label tag
- Generic item tag inlay w/ adhesive
- Demo kit 100-pack

**Standard Case Label Tag**
- Standard case label tag
- Standard case label tag w/ adhesive
- Demo kit 100-pack

**Pallet Label Tag**
- Pallet label tag w/ adhesive
- Demo kit 100-pack

### Available Only in Read/Write (256-bit) Tag Inlays

**Single Dipole**
- General case label tag
- General use case label tag
- General use case tag inlay w/ adhesive
- Demo kit 100-pack

**Dual Dipole**
- General case label tag
- General use case label tag
- General use case tag inlay w/ adhesive
- Demo kit 100-pack

### Available Only in Read-Only (96-bit) Tag Inlays

**Single Dipole**
- General item label tag
- General item tag inlay w/ adhesive
- Demo kit 100-pack

**Dual Dipole**
- General item label tag
- General item tag inlay w/ adhesive
- Demo kit 100-pack

---

**Legend:**
- B = Bag tag; C = Corrugated cardboard; CF = Concrete floor; G = Glass; GB = Glass bottle; GP = General purpose; M = Metal; P = Plastic; PA = Paper; Ph = Pharmaceutical; W = Windshield; WP = Wooden pallet

**Note:** The actual read or write range of any given tag inlay varies depending on its size, usage and application environment.

© Copyright 2005 Symbol Technologies, Inc. All rights reserved. Symbol is an ISO 9001 and ISO 9002 UKAS, RVC, and RAB Registered company. As scope definitions apply. Specifications are subject to change without notice. All product and company names are trademarks, service marks or registered trademarks of their respective owners. For system, product or services availability and specific information within your country, please contact your local Symbol Technologies office or Business Partner.

---

About Symbol Technologies
Symbol Technologies, Inc., The Enterprise Mobility Company™, is a recognized worldwide leader in enterprise mobility, delivering products and solutions that capture, move and manage information in real time to and from the point of business activity. Symbol enterprise mobility solutions integrate advanced data capture products, radio frequency identification technology, mobile computing platforms, wireless infrastructure, mobility software and world-class services programs under the Symbol Enterprise Mobility Services brand. Symbol enterprise mobility products and solutions are proven to increase workforce productivity, reduce operating costs, drive operational efficiencies and realize competitive advantages for the world’s leading companies. More information is available at www.symbol.com.

---

Part No. RFID UHF Tag Printed in USA 02/05 © Copyright 2005 Symbol Technologies, Inc. All rights reserved. Symbol is an ISO 9001 and ISO 9002 UKAS, RVC, and RAB Registered company, as scope definitions apply. Specifications are subject to change without notice. All product and company names are trademarks, service marks or registered trademarks of their respective owners. For system, product or services availability and specific information within your country, please contact your local Symbol Technologies office or Business Partner.