Eagle™ M730

Overview

Frequency Band
UHF 860 - 960 MHz

Chip
Impinj M730/M750

Antenna Dimensions
44 x 28 mm / 1.70 x 1.10 in

International Standard
ISO 18000-63, EPC Class 1 Gen 2

Industry Segments
Apparel
Logistics

Applications
Supply Chain Management
Brand Protection
Home Essentials

RoHS

REACH

Top read range for retail applications

Our Eagle™M730 is one of the smallest UHF RFID inlays with superior global RF performance for apparel and retail applications. Having a compact size 44 x 28 mm which can be easily converted into end application usage, Eagle is available in dry, wet and label delivery formats.

Eagle™ products are available with the Impinj M730 and M750 ICs, offering high performance across different materials and challenging environments due to enhanced adaptive RF tuning features. The Impinj M730 IC has 128-bit EPC memory, and the Impinj M750 IC has both 96-bit EPC memory and 32-bit user memory. Both Impinj ICs are compatible with the global GS1 UHF Gen2v2 standard, which ISO/IEC standardized as 18000-63.

Eagle with both Impinj M730 and M750, is included on the approved retail application inlay list by the RFID Research Center (ARC) of the University of Auburn, and complies with categories F, G, I, K, M, Q, N, L, W1, W2, W3, W4, W5, and W6.

Our inlays and tags are compliant with ISO 9001:2015 Quality Management and ISO 14001:2015 Environmental Management, which ensure a reliable and state-of-the-art product that meets a variety of application needs, especially in the retail environment.
**Technical features**

<table>
<thead>
<tr>
<th><strong>Chip</strong></th>
<th>Impinj M730/M750</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>EPC and User Memory</strong></td>
<td>128-bit and 0</td>
</tr>
<tr>
<td><strong>TID Memory</strong></td>
<td>96-bit / 48-bit unique serial number</td>
</tr>
<tr>
<td><strong>Product Code</strong></td>
<td>3008000</td>
</tr>
<tr>
<td><strong>Delivery Format</strong></td>
<td>Dry inlay</td>
</tr>
<tr>
<td><strong>Die-Cut Dimension</strong></td>
<td>47x31 mm / 1.85x1.22 in</td>
</tr>
<tr>
<td><strong>Inlay Substrate</strong></td>
<td>PET</td>
</tr>
<tr>
<td><strong>Face Sheet</strong></td>
<td>Clear PET</td>
</tr>
<tr>
<td><strong>Standard Pitch</strong></td>
<td>34 mm / 1.339 in</td>
</tr>
<tr>
<td><strong>Web Width</strong></td>
<td>50 mm / 2 in</td>
</tr>
<tr>
<td><strong>Core Size</strong></td>
<td>76 mm / 3 in</td>
</tr>
<tr>
<td><strong>Quantity / Reel</strong></td>
<td>18,000 pcs/reel</td>
</tr>
<tr>
<td><strong>Operating Temperature</strong></td>
<td>-40 °C to 85 °C / -40 °F to 185 °F</td>
</tr>
</tbody>
</table>

**Certificates**

ARC

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**Orientation sensitivity**

All graphs are indicative: performance in real life applications may vary.

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**Contact information**

rfid.averydennison.com/contact  
North America: +1-866-903-7343 (toll free US)  
International: +1-678-617-2359

Connect with us on:  
LinkedIn, Facebook, Instagram

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**Warranty:** Please refer to Avery Dennison standard terms and conditions rfid.averydennison.com/termsandconditions

**Care and handling:** RFID inlays are sensitive to ESD. Observe standard industry practices relating to electronics / RFID to keep environmental impact and static charge to a minimum.

**Applications:** This product should be tested by the customer / user thoroughly under end use conditions to ensure the product meets the particular requirements. Avery Dennison does not represent that this product is fit for any particular purpose or use. Avery Dennison reserves the right to modify, change, supplement or discontinue product offerings at any time without notice. The information contained herein is believed to be reliable but Avery Dennison makes no representation concerning the accuracy or correctness of the data.