boing

tech BT0600 Inlay

Details
• General Purpose inlay
• Applications: Item tracking
• Meets Auburn ARC Specs:
  A, B, C, D, G, M, Q

Technical Information
• Chip: NXP UCODE 8
  o EPC memory: 128 bit
  o User memory: N/A
  o TID: 96 bit factory locked (48 bit unique)
  o Read Sensitivity: -23dBm
  o Write Sensitivity: -18dBm
  o EPC Gen2v2
• Good sensitivity chip with read ranges up to 10m in free space

Radiation Pattern*

Theoretical** Read Ranges on Various Surfaces (m)

<table>
<thead>
<tr>
<th>Material</th>
<th>ETSI (865-868 MHz)</th>
<th>FCC (902-928 MHz)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air</td>
<td>6</td>
<td>10</td>
</tr>
<tr>
<td>Cardboard</td>
<td>6</td>
<td>7</td>
</tr>
<tr>
<td>Fiberglass</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>Glass</td>
<td>3</td>
<td>2</td>
</tr>
<tr>
<td>PTFE</td>
<td>7</td>
<td>7</td>
</tr>
<tr>
<td>Polymethyl</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>PVC</td>
<td>4</td>
<td>6</td>
</tr>
<tr>
<td>Rubber</td>
<td>3</td>
<td>2</td>
</tr>
</tbody>
</table>

* Read range drops to 11% of maximum when inlay is perpendicular (90° and 270°) to the reading antenna.

**Theoretical read range data is meant to be directional. Actual performance will depend on your application and environment. Testing is recommended.

All inlays certified by Zebra have been pre-tested with Zebra printers and readers. For more information on Auburn’s ARC specifications, testing, and the certification process, please go to rfid.auburn.edu.

For more information, visit www.zebra.com/supplies

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