Zebra ZBR4001 Inlay

DETAILS
- Advanced inlay
- High memory
- Optimized to be read from nearly any angle
- Performs well when placed on or near challenging materials (i.e. pallets, freight)
- Excellent read accuracy with overhead readers like Zebra ATR7000
- Applications: Case / Pallet, Freight, Automotive

TECHNICAL INFORMATION
- Chip: NXP UCODE 7xm
  - EPC memory: 448 bit
  - User memory: 1024 bit (1-kbit)
  - TID: 96 bit factory locked (48 bit unique)
  - Read Sensitivity: -19dBm
  - Write Sensitivity: -12dBm
  - UHF RFID, EPC Gen2v2, ISO 18000-63, RAIN RFID
- High sensitivity: read range up to 12m

RADIATION PATTERN*

SUGGESTED APPLICATIONS
- Case/pallet labeling
- Transportation & Logistics
- Freight/Assets
- Automotive

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>7</td>
<td>10</td>
</tr>
<tr>
<td>Cardboard</td>
<td>9</td>
<td>9</td>
</tr>
<tr>
<td>Fiberglass</td>
<td>11</td>
<td>9</td>
</tr>
<tr>
<td>Glass</td>
<td>10</td>
<td>8</td>
</tr>
<tr>
<td>PTFE</td>
<td>11</td>
<td>10</td>
</tr>
<tr>
<td>Polyacetyl</td>
<td>11</td>
<td>9</td>
</tr>
<tr>
<td>PVC</td>
<td>12</td>
<td>9</td>
</tr>
<tr>
<td>Rubber</td>
<td>10</td>
<td>7</td>
</tr>
</tbody>
</table>

*Read range drops to 19% of maximum when inlay is perpendicular (90º and 270º) 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, visit www.zebra.com/supplies

Product Performance and Suitability: The information contained in this document is to be used for guidance only and is not intended for use in setting specifications. All purchasers of Zebra products shall be solely responsible for independently determining if the product conforms to all requirements of their unique application.

©2016 ZIH Corp and/or its affiliates. All rights reserved. ZEBRA and the stylized Zebra head are trademarks of ZIH Corp, registered in many jurisdictions worldwide. All other trademarks are the property of their respective owners.