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

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>

*Radiation Pattern*

*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

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