Top View Holder:
D = 10.1 mm, H = 9.4 mm, W = 6.5 mm, X = 9.4 mm

FEATURES
• Material categorization: for definitions of compliance please see www.vishay.com/doc?99912

AVAILABLE FOR
• Minicast

LINKS TO ADDITIONAL RESOURCES

<table>
<thead>
<tr>
<th>NAME</th>
<th>LENS AXIS (X)</th>
<th>VIEW</th>
<th>TYPE</th>
<th>HEIGHT (H)</th>
<th>WIDTH (W)</th>
<th>DEPTH (D)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CZ1</td>
<td>9.4</td>
<td>Top</td>
<td>Holder</td>
<td>9.4</td>
<td>6.5</td>
<td>10.1</td>
</tr>
</tbody>
</table>
PACKAGING DIMENSIONS in millimeters

Section A - A

450
 A

C

Section C - C

A

C

Drawing-No. 9.700-5307.01-1
Issue 1; 17.06.09
21799

ORDERING INFORMATION

T S O P d d d d d C Z 1

Product series (2 or 3 digits)
Frequency
Holder type

Note
• d = "digit", please consult the list of available series on the previous page to create a valid part number

Example: TSOP39238CZ1

PACKING QUANTITY
• 220 pieces per tray
• 7 trays per carton
### OUTER PACKAGING

**CARTON BOX DIMENSIONS** in millimeters

<table>
<thead>
<tr>
<th>KINDS OF CARTON BOX</th>
<th>THICKNESS</th>
<th>WIDTH</th>
<th>LENGTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Packaging plastic tubes (normal / auxiliary devices)</td>
<td>80</td>
<td>150</td>
<td>600</td>
</tr>
<tr>
<td>Packaging plastic trays (devices with metal holders)</td>
<td>120</td>
<td>290</td>
<td>490</td>
</tr>
<tr>
<td>Big box (bulk packaging)</td>
<td>150</td>
<td>180</td>
<td>400</td>
</tr>
<tr>
<td>Secondary box (taping in reels)</td>
<td>400</td>
<td>310</td>
<td>410</td>
</tr>
<tr>
<td>Ammo-box (zigzag taping)</td>
<td>50</td>
<td>130</td>
<td>350</td>
</tr>
</tbody>
</table>

Vishay offers plastic and metal holder which have different characteristics:

- **Plastic Pros**: nearly invisible behind the bezel
- **Plastic Cons**: cannot be reflow soldered, wave soldering deforms the hooks (visual issue only, the part is secured by the leads after soldering)
- **Metal Pros**: may be reflow and wave soldered, improves EMI and RF rejection
- **Metal Cons**: appears shiny behind the bezel, will oxidize over time (visual issue only, the holder functionality is not impaired)