Package Details
TLM621 Case

Mechanical Drawing

**DIMENSIONS**

<table>
<thead>
<tr>
<th>SYMBOL</th>
<th>INCHES</th>
<th>MILLIMETERS</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>0.073</td>
<td>1.850</td>
</tr>
<tr>
<td>B</td>
<td>0.033</td>
<td>0.850</td>
</tr>
<tr>
<td>C</td>
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<td>0.700</td>
</tr>
<tr>
<td>D</td>
<td>0.006</td>
<td>0.150</td>
</tr>
<tr>
<td>E</td>
<td>0.000</td>
<td>0.000</td>
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<td>F</td>
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<td>0.250</td>
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<td>0.500</td>
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<tr>
<td>J</td>
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<td>0.500</td>
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<tr>
<td>K</td>
<td>0.012</td>
<td>0.300</td>
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<tr>
<td>L</td>
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<td>0.180</td>
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<tr>
<td>M</td>
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<td>0.180</td>
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<tr>
<td>N</td>
<td>0.007</td>
<td>0.300</td>
</tr>
</tbody>
</table>

TLM621 (REV: R2)

**Part Marking:**
2-3 Character Alpha/Numeric Code

**Lead Code:**
Reference individual device data sheet.

* Exposed pad P connects pins 1, 2, 5, and 6

**Mounting Pad Geometry** (Dimensions in mm)
Package Details
TLM621 Case

Tape Dimensions and Orientation (Dimensions in mm)

Tape Width: 8mm

Devices are taped in accordance with Electronic Industries Association Standard EIA-481-1-A

Packaging Base

7” Reel = 3,000 pcs.

Reel Labeling Information

Each reel is labeled with the following information:
Central Part Number, Customer Part Number, Purchase Order Number, Quantity, Lot Number, Date Code, Ship Date and Marking Code.

Reel Packing Information

<table>
<thead>
<tr>
<th>Reel Size</th>
<th>Reels per Box (Maximum)</th>
<th>Parts per Box (Maximum)</th>
<th>Box Dimensions</th>
<th>Shipping Weight (Max.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>7”</td>
<td>9</td>
<td>27,000</td>
<td>9x9x5 23x23x13</td>
<td>3 2</td>
</tr>
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<td></td>
<td>18</td>
<td>54,000</td>
<td>9x9x9 23x23x23</td>
<td>6 3</td>
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<tr>
<td></td>
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<td>120,000</td>
<td>21x9x9 53x23x23</td>
<td>13 6</td>
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<td>108</td>
<td>324,000</td>
<td>27x9x17 69x23x43</td>
<td>34 16</td>
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</tbody>
</table>

Ordering Information

• For devices taped and reeled on 7” reels, add TR suffix to part number.
• All SMDs are available in small quantities for prototype and manual placement applications.
### Material Composition Specification

**TLM621 Case**

#### Device average mass

- **4.5 mg**

#### Fluctuation margin

- +/-10%

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**Component** | **Material** | **Substance** | **CAS No.** | **Substance** |
--- | --- | --- | --- | --- |
active device | doped Si | Si | 7440-21-3 | Si 7440-21-3 |
bond wire | gold | Au | 7440-57-5 | Au 7440-57-5 |
leadframe | Cu alloy | Cu | 7440-50-8 | Cu 7440-50-8 |
leadframe | Cu alloy | Fe | 7439-89-6 | Fe 7439-89-6 |
leadframe | Cu alloy | P | 7723-14-0 | P 7723-14-0 |
leadframe | Cu alloy | Zn | 7440-42-4 | Zn 7440-42-4 |
leadframe | Cu alloy | Ag | 7440-22-4 | Ag 7440-22-4 |
die attach | silver epoxy | Ag | 7440-22-4 | Ag 7440-22-4 |
die attach | silver epoxy | epoxy resin | Proprietary | epoxy resin Proprietary |
encapsulation* | EMC GREEN | silica (fused) | 60676-86-0 | silica (fused) 60676-86-0 |
encapsulation* | EMC GREEN | epoxy resin | 29690-82-2 | epoxy resin 29690-82-2 |
encapsulation* | EMC GREEN | phenol resin | 9003-35-4 | phenol resin 9003-35-4 |
encapsulation* | EMC GREEN | carbon black | 1333-86-4 | carbon black 1333-86-4 |
plating | matte tin | Sn | 7440-31-5 | Sn 7440-31-5 |

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*EMC GREEN molding compound is Halogen-Free.

**Disclaimer**
The information provided in this Material Composition data sheet is, to the best of our knowledge, correct. However, there is no guarantee to completeness or accuracy, as some information is derived from data sources outside the company.