KEMET Part Number: M39014/01-1553  
(C052T104K5X5CR, CKR05BX104KR)

LDD Mil X7R PRF39014, Ceramic, Military/High Reliability, 0.1 uF, 10%, 50 VDC, BX, R (0.01%/1000 Hrs), Lead Spacing = 5.08mm

### Dimensions

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>L</td>
<td>4.83mm +/-0.25mm</td>
</tr>
<tr>
<td>H</td>
<td>4.83mm +/-0.25mm</td>
</tr>
<tr>
<td>T</td>
<td>2.29mm +/-0.25mm</td>
</tr>
<tr>
<td>S</td>
<td>5.08mm +/-0.38mm</td>
</tr>
<tr>
<td>LL</td>
<td>31.75mm MIN</td>
</tr>
<tr>
<td>F</td>
<td>0.635mm +0.102/-0.051mm</td>
</tr>
<tr>
<td>G</td>
<td>1.143mm MAX</td>
</tr>
<tr>
<td>K</td>
<td>4.826mm +/-0.254mm</td>
</tr>
</tbody>
</table>

### Packaging Specifications

- **Packaging:** Bulk, Bag  
- **Packaging Quantity:** 100

### General Information

- **Supplier:** KEMET  
- **Series:** LDD Mil X7R PRF39014  
- **Style:** Radial  
- **RoHS:** No  
- **Prop 65:** ![WARNING: Cancer and reproductive harm - www.p65warnings.ca.gov.](image)
- **REACH:** SVHC (Pb – CAS 7439-92-1)  
- **Termination:** Lead (SnPb)  
- **Failure Rate:** R (0.01%/1000 Hrs)  
- **Testing and Reliability:** MIL-PRF-39014  
- **Qualifications:** MIL-PRF-39014  
- **Notes:** Lead Length Shown Is For Parts Supplied In Bulk, See Packaging Specifications For Lead Lengths When Not Provided In Bulk

### Specifications

- **Capacitance:** 0.1 uF  
- **Capacitance Tolerance:** 10%  
- **Voltage DC:** 50 VDC  
- **Dielectric Withstanding Voltage:** 125 V  
- **Temperature Range:** -55/+125°C  
- **Temperature Coefficient:** BX  
- **Dissipation Factor:** 2.50%  
- **Insulation Resistance:** 10 GOhms

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