TYPE 1N270

FEATURES
- Low forward voltage drop
- Low power consumption
- Thirty years of proven reliability
- One million hours mean time between failures (MTBF)
- Very low noise level
- Metallurgically bonded

ABSOLUTE MAXIMUM RATINGS

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Symbol</th>
<th>Conditions</th>
<th>Min.</th>
<th>Max.</th>
<th>Unit</th>
<th>T °C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peak Inverse Voltage</td>
<td>PIV</td>
<td>1mA</td>
<td>100</td>
<td>100</td>
<td>V</td>
<td>25°</td>
</tr>
<tr>
<td>Peak Forward Current</td>
<td>Ir</td>
<td>50V</td>
<td></td>
<td>100</td>
<td>uA</td>
<td>25°</td>
</tr>
<tr>
<td>Operating Temperature Range</td>
<td></td>
<td></td>
<td>-65°C</td>
<td>85°C</td>
<td></td>
<td></td>
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<tr>
<td>Average Power Dissipation</td>
<td></td>
<td></td>
<td>80mW</td>
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<td></td>
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</tr>
</tbody>
</table>

ELECTRICAL CHARACTERISTICS

MECHANICAL

Passes all mechanical and environmental requirements of MIL-S-19500, including shock and vibration.
Low Current Forward Turn On

Foward Characteristic

Reverse Characteristic

Rectification Current Versus Peak Inverse Voltage at Half Wave Rectification and Resistive Load