Band Switching Diode
DAN235U

● Applications
High frequency switching

● Features
1) Small mold type. (UMD3)
2) High reliability

● Construction
Silicon epitaxial planar

● Dimensions (Unit : mm)

● Land size figure (Unit : mm)

● Taping specifications (Unit : mm)

● Absolute maximum ratings (Ta=25°C)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Symbol</th>
<th>Limits</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power dissipation</td>
<td>Pd</td>
<td>150</td>
<td>mW</td>
</tr>
<tr>
<td>Reverse voltage (DC)</td>
<td>Vr</td>
<td>35</td>
<td>V</td>
</tr>
<tr>
<td>Junction temperature</td>
<td>Tj</td>
<td>125</td>
<td>°C</td>
</tr>
<tr>
<td>Storage temperature</td>
<td>Tstg</td>
<td>-55 to</td>
<td>°C</td>
</tr>
<tr>
<td></td>
<td></td>
<td>+125</td>
<td></td>
</tr>
</tbody>
</table>

● Electrical characteristics (Ta=25°C)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Symbol</th>
<th>Min.</th>
<th>Typ.</th>
<th>Max.</th>
<th>Unit</th>
<th>Conditions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Forward voltage</td>
<td>Vf</td>
<td></td>
<td>-</td>
<td>1.0</td>
<td>V</td>
<td>Ip=10mA</td>
</tr>
<tr>
<td>Reverse current</td>
<td>Ir</td>
<td></td>
<td>-</td>
<td>10</td>
<td>nA</td>
<td>Vr=25V</td>
</tr>
<tr>
<td>Capacitance between terminals</td>
<td>Ct</td>
<td></td>
<td>-</td>
<td>1.2</td>
<td>pF</td>
<td>VR=6V, f=1MHz</td>
</tr>
<tr>
<td>Forward resistance</td>
<td>rf</td>
<td></td>
<td>-</td>
<td>0.9</td>
<td>Ω</td>
<td>Ip=2mA, f=100MHz</td>
</tr>
</tbody>
</table>
ELECTROSTATIC DISCHARGE TEST ESD(KV)

AVE: 1.55kV

C=200pF
R=0Ω

AVE: 7.38kV

C=100pF
R=1.5kΩ
Notes

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