Absolute Maximum Ratings ($T_a = 25 ^\circ C$)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Symbol</th>
<th>Value</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum Peak Reverse Voltage</td>
<td>$V_{RM}$</td>
<td>15</td>
<td>V</td>
</tr>
<tr>
<td>Reverse Voltage</td>
<td>$V_R$</td>
<td>10</td>
<td>V</td>
</tr>
<tr>
<td>Maximum Peak Forward Current</td>
<td>$I_{PM}$</td>
<td>200</td>
<td>mA</td>
</tr>
<tr>
<td>Surge Forward Current (10 ms)</td>
<td>$I_{FSM}$</td>
<td>1</td>
<td>A</td>
</tr>
<tr>
<td>Average Forward Current</td>
<td>$I_O$</td>
<td>100</td>
<td>mA</td>
</tr>
<tr>
<td>Power Dissipation</td>
<td>$P_{tot}$</td>
<td>100</td>
<td>mW</td>
</tr>
<tr>
<td>Junction Temperature</td>
<td>$T_j$</td>
<td>125</td>
<td>°C</td>
</tr>
<tr>
<td>Storage Temperature Range</td>
<td>$T_{stg}$</td>
<td>-55 to +125</td>
<td>°C</td>
</tr>
<tr>
<td>Operating Temperature Range</td>
<td>$T_{opr}$</td>
<td>-40 to +100</td>
<td>°C</td>
</tr>
</tbody>
</table>

Characteristics at $T_a = 25 ^\circ C$

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Symbol</th>
<th>Min.</th>
<th>Typ.</th>
<th>Max.</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Forward Voltage at $I_F = 5$ mA</td>
<td>$V_F$</td>
<td>-</td>
<td>-</td>
<td>0.3</td>
<td>V</td>
</tr>
<tr>
<td>at $I_F = 100$ mA</td>
<td></td>
<td></td>
<td></td>
<td>0.5</td>
<td>V</td>
</tr>
<tr>
<td>Reverse Current at $V_R = 10$ V</td>
<td>$I_R$</td>
<td>-</td>
<td>-</td>
<td>20</td>
<td>µA</td>
</tr>
<tr>
<td>Total Capacitance at $V_R = 0$ V, $f = 1$ MHz</td>
<td>$C_T$</td>
<td>-</td>
<td>20</td>
<td>40</td>
<td>pF</td>
</tr>
</tbody>
</table>