**Features**

- The plastic package carries Underwriters Laboratory Flammability Classification 94V-0
- For surface mounted applications
- Built-in strain relief; ideal for automated placement
- Low reverse leakage
- High forward surge current capability
- High temperature soldering guaranteed
  250°C/10 seconds at terminals

**Mechanical Data**

**Case**: Molded plastic body  
**Terminals**: Solder plated, solderable per MIL-STD-750, Method 2026  
**Polarity**: Polarity symbol marking on body  
**Mounting Position**: Any  
**Weight**: 0.0023 ounce, 0.07 grams

**Maximum Ratings And Electrical Characteristics**

Ratings at 25°C ambient temperature unless otherwise specified. Single phase half-wave 60Hz, resistive or inductive load, for capacitive load current derate by 20%.

<table>
<thead>
<tr>
<th>Parameter</th>
<th>SYMBOLS</th>
<th>SS22</th>
<th>SS24</th>
<th>SS26</th>
<th>SS28</th>
<th>SS210</th>
<th>SS215</th>
<th>SS220</th>
<th>UNITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum repetitive peak reverse voltage</td>
<td>( V_{HRM} )</td>
<td>20</td>
<td>40</td>
<td>60</td>
<td>80</td>
<td>100</td>
<td>150</td>
<td>200</td>
<td>( V )</td>
</tr>
<tr>
<td>Maximum RMS voltage</td>
<td>( V_{RMS} )</td>
<td>14</td>
<td>28</td>
<td>42</td>
<td>56</td>
<td>70</td>
<td>105</td>
<td>140</td>
<td>( V )</td>
</tr>
<tr>
<td>Maximum DC blocking voltage</td>
<td>( V_{oc} )</td>
<td>20</td>
<td>40</td>
<td>60</td>
<td>80</td>
<td>100</td>
<td>150</td>
<td>200</td>
<td>( V )</td>
</tr>
<tr>
<td>Maximum average forward rectified current</td>
<td>( I_{(AV)} )</td>
<td>2.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>( A )</td>
</tr>
<tr>
<td>Peak forward surge current, 8.3ms single half sine-wave superimposed on rated load</td>
<td>( I_{FSM} )</td>
<td></td>
<td>50.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>( A )</td>
</tr>
<tr>
<td>Maximum instantaneous forward voltage at 2.0A</td>
<td>( V_f )</td>
<td>0.55</td>
<td>0.70</td>
<td>0.85</td>
<td>0.95</td>
<td></td>
<td></td>
<td></td>
<td>( V )</td>
</tr>
<tr>
<td>Maximum DC reverse current at rated DC blocking voltage</td>
<td>( I_r )</td>
<td>0.5</td>
<td>50</td>
<td>0.05</td>
<td>10</td>
<td></td>
<td></td>
<td></td>
<td>( mA )</td>
</tr>
<tr>
<td>Typical thermal resistance</td>
<td>( R_{jA} )</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>80.0</td>
<td></td>
<td></td>
<td>( ^\circ C/W )</td>
</tr>
<tr>
<td>Operating junction temperature range</td>
<td>( T_J )</td>
<td>-55</td>
<td>+125</td>
<td></td>
<td></td>
<td>-55</td>
<td>+150</td>
<td></td>
<td>( ^\circ C )</td>
</tr>
<tr>
<td>Storage temperature range</td>
<td>( T_{STG} )</td>
<td>-55</td>
<td>+150</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>( ^\circ C )</td>
</tr>
</tbody>
</table>

Dimensions in inches and (millimeters)
Ratings And Characteristic Curves

FIG. 1- DERATING CURVE OUTPUT RECTIFIED CURRENT

FIG. 2- MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT PER LEG

FIG. 3- TYPICAL FORWARD VOLTAGE CHARACTERISTICS

FIG. 4- TYPICAL REVERSE LEAKAGE CHARACTERISTICS

Instantaneous Reverse Current, Microamperes

Percent of Peak Reverse Voltage, %

Lead Temperature

Average Forward Rectified Current, Amperes

Peak Forward Surge Current, Amperes

Instantaneous Forward Voltage, Volts

TJ = 25°C

TJ = 100°C

SS22-SS24

SS26

SS28-SS210

SS215-SS220