### High Voltage Diodes - Surface Mount

**0.42A • 30ns**

#### ELECTRICAL CHARACTERISTICS AND MAXIMUM RATINGS

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Working Reverse Voltage (Vrwm)</th>
<th>Average Rectified Current (lo)</th>
<th>Reverse Current @ Vrwm (Irr)</th>
<th>Forward Voltage (VI)</th>
<th>1 Cycle Surge Current (Is)</th>
<th>Repetitive Surge Current (Ir)</th>
<th>Reverse Recovery Time (Tr)</th>
<th>Thermal Impedance (θj-L)</th>
<th>Junction Cap. @50VDC (Cj)</th>
<th>Markings</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Volts</td>
<td>Amps</td>
<td>µA</td>
<td>Volts</td>
<td>Amps</td>
<td>Amps</td>
<td>ns</td>
<td>°C/W</td>
<td>pF</td>
<td></td>
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<tr>
<td>SXF20FF3</td>
<td>2000</td>
<td>0.42</td>
<td>0.21</td>
<td>1.0</td>
<td>20</td>
<td>7.5</td>
<td>0.42</td>
<td>16</td>
<td>3</td>
<td>30</td>
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<td>4.0</td>
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</tbody>
</table>

- (1) TC=55°C
- (2) TC=100°C
- (3) If=125mA, Ir=250mA, Irr=63mA
- *Op. Temp.* = -65°C to +175°C
- Stg. Temp.= -65°C to +200°C

**Tolerance:**

. XXX ± .005

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**Dimensions:** ln. (mm) • All temperatures are ambient unless otherwise noted. • Data subject to change without notice.

**Voltage Multipliers Inc.**

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SXF20FF3

POWER DERATING

Maximum Power Dissipation (W)

Lead Temperature (°C)

TYPICAL FORWARD VOLTAGE VS. FORWARD CURRENT AT 25°C

Forward Voltage (V)

Forward Current (A)

REVERSE CURRENT VS. TEMPERATURE AT Vrwm

Reverse Current (µA)

Temperature (°C)

TYPICAL REVERSE RECOVERY TIME VS. TEMPERATURE

Reverse Recovery Time (ns)

Temperature (°C)

TYPICAL JUNCTION CAPACITANCE VS. REVERSE VOLTAGE AT 25°C

Junction Capacitance (pF)

Reverse Bias Voltage (V)