### Electrical Specifications @ 25 °C

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal Inductance</td>
<td>0.94 mH ± 10 %</td>
</tr>
<tr>
<td>Maximum Transmissible Power</td>
<td>22 W</td>
</tr>
<tr>
<td>Working Frequency</td>
<td>132 kHz</td>
</tr>
<tr>
<td>Transformation Ratio</td>
<td>7.9 : 1 : 1 : 0.6</td>
</tr>
<tr>
<td>Dielectric Strength (50 Hz / 1 s)</td>
<td>WI/WII - WIII/WIV = 4.2 kV/50 Hz/1 sec.</td>
</tr>
<tr>
<td>Leakage Inductance</td>
<td>35 µH max.</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>-25 °C to +125 °C</td>
</tr>
<tr>
<td>Storage Temperature</td>
<td>-25 °C to +85 °C</td>
</tr>
<tr>
<td>Moisture Sensitivity Level</td>
<td>N/A</td>
</tr>
<tr>
<td>ESD Classification (HBM)</td>
<td>N/A</td>
</tr>
</tbody>
</table>

### Windings

- **AI, AII, AIII, AIV**
  - Start of Winding No I, II, III, IV
- **EI, EII, EIII, EIV**
  - End of Winding No I, II, III, IV

### Recommended PCB Layout

#### Dimensions:
- **MM (INCHES)**
  - 2.5 (0.098)

#### Schematic

- **Dimensions:**
  - 2.5 (0.098)

### How to Order

Order by Model No ...................... 094932

### Additional Information

Click these links for more information:
- **PRODUCT**
- **TECHNICAL LIBRARY**
- **INVENTORY**
- **SAMPLES**
- **CONTACT**

### Features

- High clearance and creepage distance transformer
- Reinforced insulation – 400 V working voltage
- Assists in compliance with EN 62368, EN 60335 and EN 61558 standards
- VDE approved
- RoHS compliant*

### Packaging Specifications

- Bulk................................. 250 pcs. per tray

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Applications

- Flyback transformer with reinforced insulation for switched-mode power supplies
- Designed for use in SMPS applications based on semiconductors from various AC-DC conversion silicon manufacturers

Model 094932 SP-E 20/6 Flyback Transformer

Solder Profile

<table>
<thead>
<tr>
<th>Profile Feature</th>
<th>Pb-Free Assembly</th>
</tr>
</thead>
<tbody>
<tr>
<td>Average ramp-up rate</td>
<td>~ 200 °C/second</td>
</tr>
<tr>
<td>Heating rate during preheat</td>
<td>typical 1-2 °/second</td>
</tr>
<tr>
<td></td>
<td>max. 4 °/second</td>
</tr>
<tr>
<td>Final preheat temperature</td>
<td>within 125 °C of soldering temperature</td>
</tr>
<tr>
<td>Peak temperature $T_p$</td>
<td>260 °C</td>
</tr>
<tr>
<td>Time within +0 °C / -5 °C of actual peak temperature</td>
<td>10 seconds</td>
</tr>
<tr>
<td>Ramp-down rate</td>
<td>5 °C/second max.</td>
</tr>
</tbody>
</table>

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