**Model 094929 SP-E 20/6 Flyback Transformer**

### Electrical Specifications @ 25 °C
- **Nominal Inductance @ 50 mV / 10 kHz:** 0.94 mH ±10%
- **Maximum Transmissible Power:** 22 W
- **Working Frequency:** 8.78 ± 1 : 1 : 1
- **Dielectric Strength (50 Hz / 1 s):** 4.2 kV / 50 Hz / 1sec
- **Leakage Inductance:** 35 µH max
- **Operating Temperature:** -25 °C to +125 °C
- **Storage Temperature:** -25 °C to +85 °C
- **Moisture Sensitivity Level:** N/A
- **ESD Classification (HBM):** N/A

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

### Windings
- AI, AII, AIII, AIV
  - Start of Winding No I, II, III, IV
  - End of Winding No I, II, III, IV

### Schematic
- 5
  - 12 V / 0.9 A
- 7
  - 10
  - 12 V / 0.9 A
- 8
  - 1

### How to Order
Order by Model No 094929

### 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*

### Typical Part Marking
- MANUFACTURER
- CALANDAR WEEK
- YEAR OF MANUFACTURE
- MODEL NUMBER

### Packaging Specifications
- Bulk 250 pcs. per tray

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*RoHS Directive 2015/863, Mar 31, 2015 and Annex. Specifications are subject to change without notice. Users should verify actual device performance in their specific applications. The products described herein and this document are subject to specific legal disclaimers as set forth on the last page of this document, and at www.bourns.com/docs/legal/disclaimer.pdf.

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**WARNING**
Cancer and Reproductive Harm
www.P65Warnings.ca.gov

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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 094929 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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