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*

Model 093830 SP-E 16/5 Flyback Transformer

Electrical Specifications @ 25 °C
- Nominal Inductance: 1.58 mH ±12 %
- Maximum Transmissible Power: 8 W
- Working Frequency: 132 kHz
- Transformation Ratio: 4 : 18.5 : 1 : 1
- Dielectric Strength: Primary-Secondary 4.2 kV/50 Hz/1 sec.
- Leakage Inductance: 62 µH max.
- Operating Temperature: -25 °C to +125 °C
- Storage Temperature: -25 °C to +85 °C
- Moisture Sensitivity Level: N/A

Product Dimensions

Recommended PCB Layout

How to Order
Order by Model No ...............093830

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

Additional Information
Click these links for more information:

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

Schematic

Typical Part Marking

MANUFACTURER
CALENDAR WEEK
YEAR OF MANUFACTURE
MODEL NUMBER

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Users should verify actual device performance in their specific applications.
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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 093830 SP-E 16/5 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 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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