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 063932 SP-E 16/5 Flyback Transformer

Electrical Specifications @ 25 °C

- Nominal Inductance: 1.55 mH ±15 %
- Maximum Transmissible Power: 6 W
- Working Frequency: 44 to 132 kHz
- Transformation Ratio: 10.6 : 6 : 1 : 1
- Dielectric Strength: Primary-Secondary = 4.2 kV/50 Hz/1 sec.
- Leakage Inductance: 60 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

Product Dimensions

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width</td>
<td>11.43 ± 0.3 (450 ± 0.012) mm</td>
</tr>
<tr>
<td>Height</td>
<td>3.81 ± 0.3 (0.150 ± 0.012) mm</td>
</tr>
<tr>
<td>Thickness</td>
<td>17.76 ± 0.3 (700 ± 0.012) mm</td>
</tr>
<tr>
<td>Max.</td>
<td>12.7 ± 0.3 (500 ± 0.012) mm</td>
</tr>
</tbody>
</table>

Recommended PCB Layout

Recommended PCB layout diagram.

How to Order

Order by Model No: 063932

Packaging Specifications

Bulk: 250 pcs. per tray

Additional Information

Click these links for more information:
- Product
- Technical Library
- Inventory
- Samples
- Contact

Windings

AI, AlII, AlIII, AlIV
- Start of Winding No. I, II, III, IV
EI, EII, EIII, EIV
- End of Winding No. I, II, III, IV

Schematic

Schematic diagram showing winding connections.

Typical Part Marking

MANUFACTURER
YEAR OF MANUFACTURE
MODEL NUMBER

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

Specifications are subject to change without notice.
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 063932 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 °C/second max. 4 °C/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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