Model 063934 SP-E 16/5 Flyback Transformer

Electrical Specifications @ 25 °C

Nominal Inductance @ 50 mV / 10 kHz ......................................................... 0.89 mH ±10 %
Maximum Transmissible Power ........................................................................... 9 W
Working Frequency Range .............................................................................. 44 to 132 kHz
Transformation Ratio ...................................................................................... 9.6 : 4.69 : 1 : 1
Dielectric Strength ......................................................................................... Primary-Secondary = 4.2 kV/50 Hz/1 sec.
Leakage Inductance ....................................................................................... 50 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

Recommended PCB Layout

How to Order

Order by Model No .................. 063934

Packaging Specifications

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

Additional Information

Click these links for more information:

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*

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

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**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</td>
<td>typical 1-2 °/second</td>
</tr>
<tr>
<td>preheat</td>
<td>max. 4 °/second</td>
</tr>
<tr>
<td>Final preheat</td>
<td>within 125 °C of</td>
</tr>
<tr>
<td>temperature</td>
<td>soldering temperature</td>
</tr>
<tr>
<td>Peak temperature $T_p$</td>
<td>260 °C</td>
</tr>
<tr>
<td>Time within +0 °C /</td>
<td>10 seconds</td>
</tr>
<tr>
<td>-5 °C of actual peak</td>
<td></td>
</tr>
<tr>
<td>temperature</td>
<td></td>
</tr>
<tr>
<td>Ramp-down rate</td>
<td>5 °C/second max.</td>
</tr>
</tbody>
</table>

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