

Features

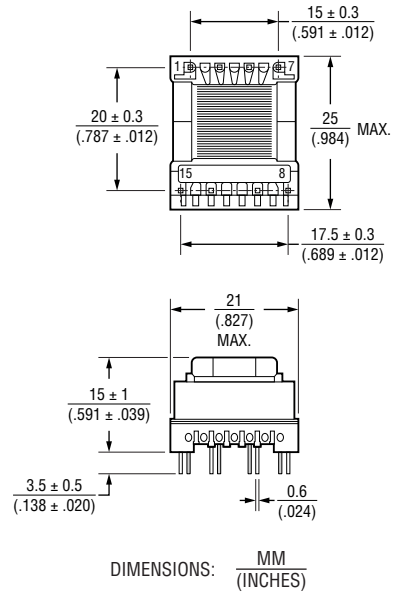
- High clearance and creepage distance transformer
- Reinforced insulation – 400 V working voltage
- Assists in compliance with EN 62368, EN 60335 and EN 61558 standards
- [VDE approved](#)
- RoHS compliant*

Model 094929 SP-E 20/6 Flyback Transformer

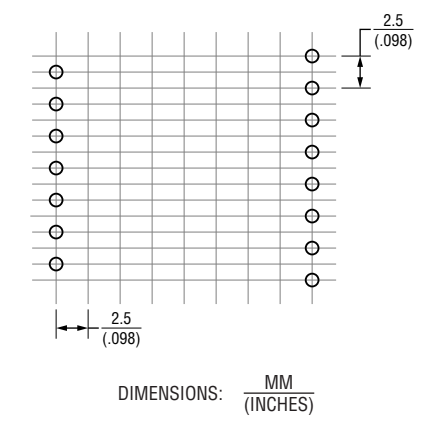
Electrical Specifications @ 25 °C

| | |
|---|---|
| Nominal Inductance @ 50 mV / 10 kHz | 0.94 mH ±10 % |
| Maximum Transmissible Power | 22 W |
| Working Frequency | 132 kHz |
| Transformation Ratio | 8,78 : 1,1 : 1 : 1 |
| Dielectric Strength (50 Hz / 1 s)..... | WI/WII - WIII/WIV = 4.2 kV / 50 Hz / 1 sec. |
| 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 |

Product Dimensions



Recommended PCB Layout



How to Order

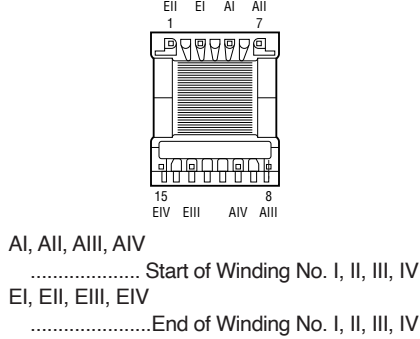
Order by Model No094929

Additional Information

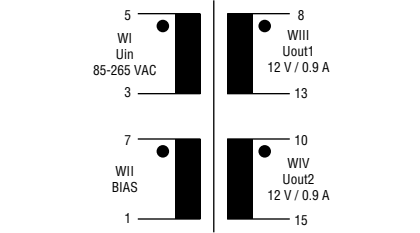
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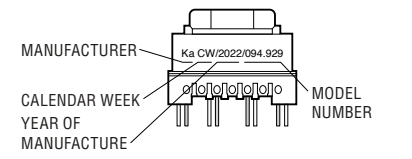
Windings



Schematic

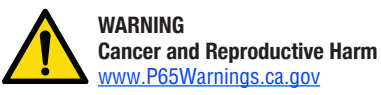


Typical Part Marking



Packaging Specifications

Bulk.....250 pcs. per tray



*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.

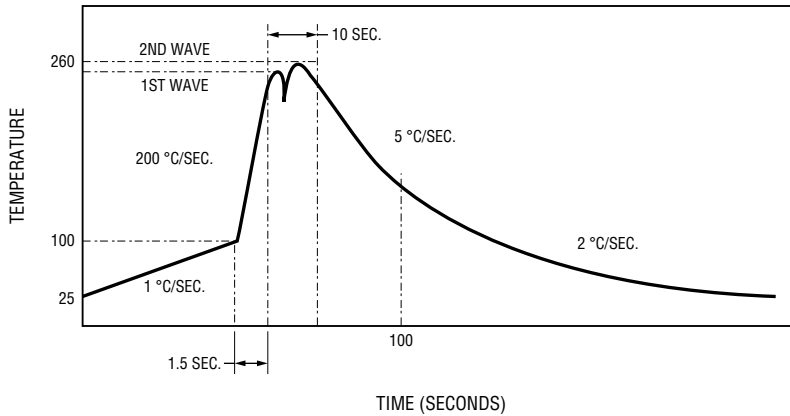
Applications

- 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

BOURNS®

Solder Profile



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

BOURNS®

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