

## Features

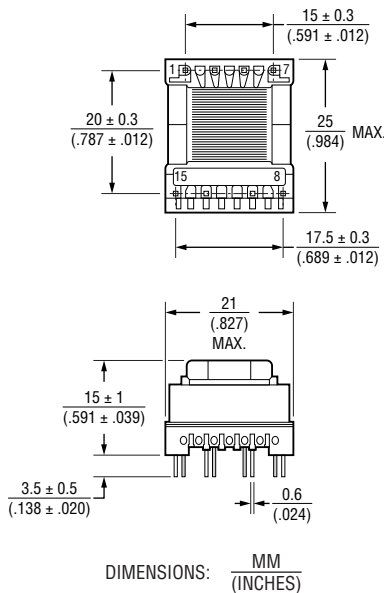
- High clearance and creepage distance transformer
- Reinforced insulation – 400 V working voltage
- Assists in compliance with EN 62368, EN 60335 and EN 61558 standards
- [VDE approved](#)
- RoHS compliant\*

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

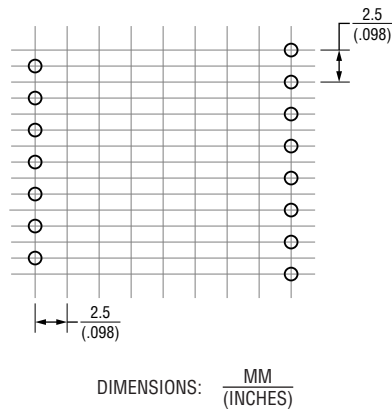
### Electrical Specifications @ 25 °C

Nominal Inductance @ 50 mV / 10 kHz .....	0.94 mH $\pm 10\%$
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 $\mu$ H 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

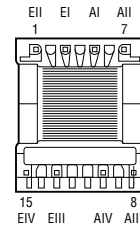
Order by Model No .....094929

### Additional Information

Click these links for more information:

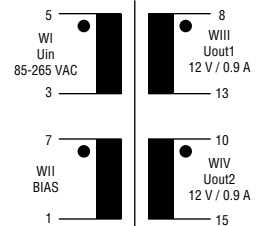


### Windings

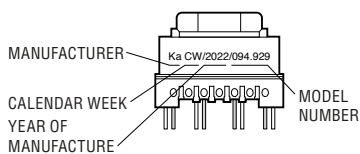


AI, AII, AIII, AIV  
..... Start of Winding No. I, II, III, IV  
EI, EII, EIII, EIV  
..... End of Winding No. I, II, III, IV

### Schematic



### Typical Part Marking



### Packaging Specifications

Bulk.....250 pcs. per tray



**WARNING**  
Cancer and Reproductive Harm  
[www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

\*RoHS Directive 2015/863, Mar 31, 2015 and Annex.  
Specifications are subject to change without notice.  
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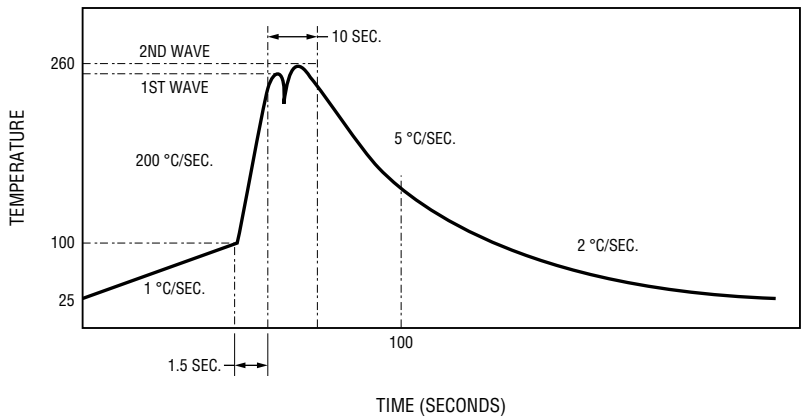
Applications

- 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

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 <sub>p</sub>	260 °C
Time within +0 °C / -5 °C of actual peak temperature	10 seconds
Ramp-down rate	5 °C/second max.

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