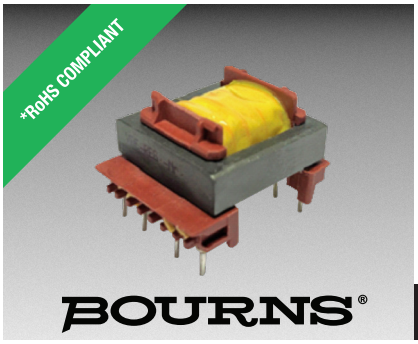


BOURNS®

Features

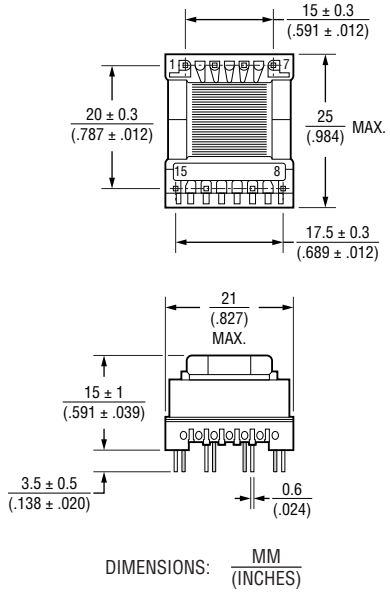
- High clearance and creepage distance transformer
- Reinforced insulation – 400 V working voltage
- Assists in compliance with EN 62368, EN 60335 and EN 61558 standards
- VDE approved
- RoHS compliant*

Model 094931 SP-E 20/6 Flyback Transformer

Electrical Specifications @ 25 °C

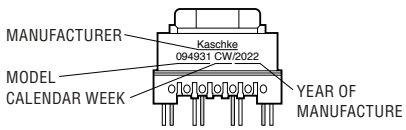
Nominal Inductance	0.94 mH ±10 %
Maximum Transmissible Power	22 W
Working Frequency Range	66-132 kHz
Transformation Ratio	19,75 : 2,75 : 1 : 1
Dielectric Strength (50 Hz / 1 s)	WI/WII - WIII/WIV = 4.2 kV/50 Hz/1 sec.
Leakage Inductance	70 µH max.
Operating Temperature	-25 °C to +125 °C
Storage Temperature	-25 °C to +85 °C
Moisture Sensitivity Level	N/A
ESD Classification (HBM)	N/A

Product Dimensions



DIMENSIONS: MM (INCHES)

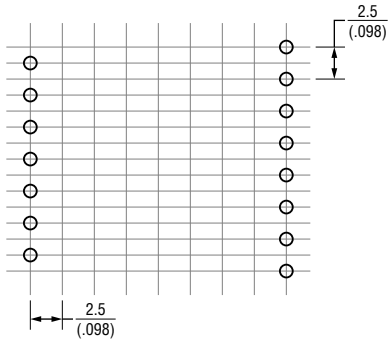
Typical Part Marking



Packaging Specifications

Bulk.....250 pcs. per tray

Recommended PCB Layout



DIMENSIONS: MM (INCHES)

How to Order

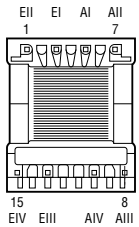
Order by Model No 094931

Additional Information

Click these links for more information:

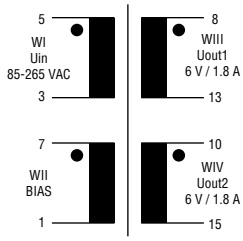
PRODUCT | TECHNICAL LIBRARY | INVENTORY | SAMPLES | CONTACT

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



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

*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.
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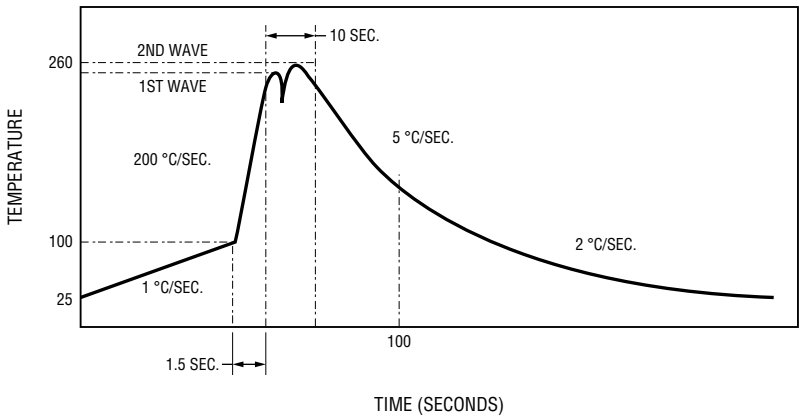
Applications

- 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 094931 SP-E 20/6 Flyback Transformer

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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.

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