

#### **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

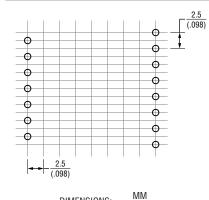
#### Electrical Specifications @ 25 °C Dielectric Strength (50 Hz / 1 s)......WI/WII - WIII/WIV = 4.2 kV/50 Hz/1 sec. Operating Temperature.....-25 °C to +125 °C Storage Temperature .....-25 °C to +85 °C ESD Classification (HBM)......N/A

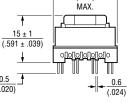
#### **Product Dimensions**

MAX.

17.5 ± 0.3  $\overline{(.689 \pm .012)}$ 

15 ± 0.3 (.591 ± .012)





(.827)

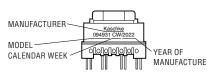
MM DIMENSIONS: (INCHES)

### **Typical Part Marking**

 $3.5 \pm 0.5$  $(.138 \pm .020)$ 

20 ± 0.3

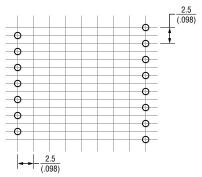
 $(.787 \pm .012)$ 



#### **Packaging Specifications**

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

### **Recommended PCB Layout**



DIMENSIONS: (INCHES)

### **How to Order**

Order by Model No ......094931

#### **Additional Information**

Click these links for more information:





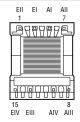


TECHNICAL INVENTORY SAMPLES





#### Windings

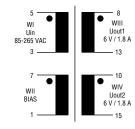


AI, AII, AIII, AIV

..... Start of Winding No. I, II, III, IV EI, EII, EIII, EIV

.....End of Winding No. I, II, III, IV

### **Schematic**





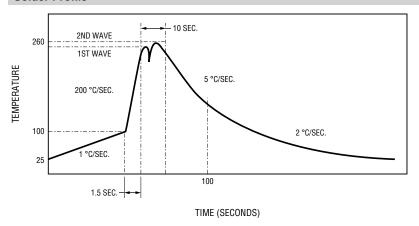
### **Applications**

- 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

## 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.

## **BOURNS**®

Asia-Pacific: Tel: +886-2 2562-4117 • Email: asiacus@bourns.com

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Users should verify actual device performance in their specific applications.

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