

## Features

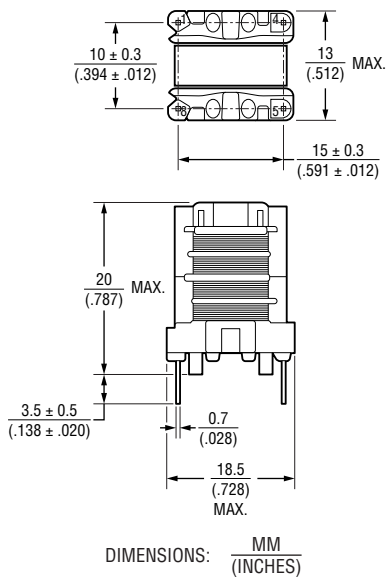
- EMC filter choke complies with EN 62368
- Wide-band performance of interference suppression
- Excellent attenuation of symmetric and asymmetric noise
- Compact design
- Class B / 130 °C
- RoHS compliant\*

## Model 093267 SP-E 16/5 EMC Filter Choke

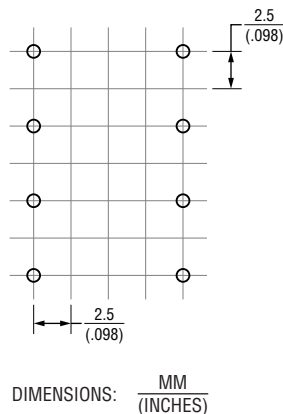
### Electrical Specifications @ 25 °C

|                                 |                          |
|---------------------------------|--------------------------|
| Nominal Inductance.....         | 2 x 27 mH $\pm$ 30 %     |
| Maximum Resistance .....        | 2 ohms per winding       |
| Working Frequency .....         | N/A                      |
| Transformation Ratio .....      | 1 : 1                    |
| Dielectric Strength .....       | Winding-Winding = 1.5 kV |
| Nominal Current .....           | 0.5 A                    |
| Leakage Inductance .....        | N/A                      |
| 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 .....093267

### Additional Information

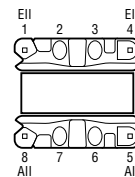
Click these links for more information:



### Packaging Specifications

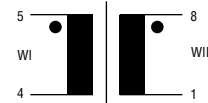
Bulk.....585 pcs. per tray

### Windings

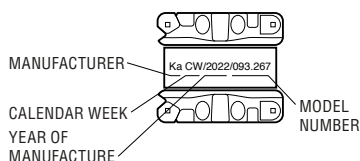


AI, AII.....Start of Winding No. I, II  
EI, EII.....End of Winding No. I, II

### Schematic



### Typical Part Marking



**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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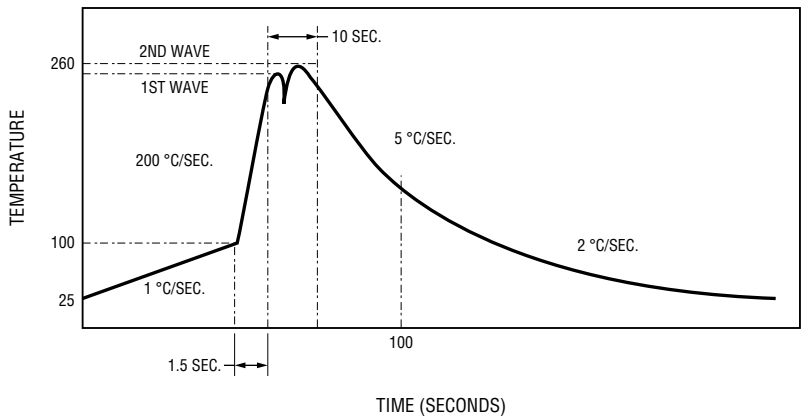
Applications

- Common mode choke
- Designed for use in SMPS applications based on semiconductors from various AC-DC conversion silicon manufacturers

Model 093267 SP-E 16/5 EMC Filter Choke

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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<br>max. 4 °/second   |
| Final preheat temperature                                  | within 125 °C of<br>soldering temperature |
| Peak temperature T <sub>p</sub>                            | 260 °C                                    |
| Time within +0 °C /<br>-5 °C of actual peak<br>temperature | 10 seconds                                |
| Ramp-down rate   | 5 °C/second max.                          |

BOURNS®

Asia-Pacific: Tel: +886-2 2562-4117 • Email: [asiacus@bourns.com](mailto:asiacus@bourns.com)  
EMEA: Tel: +36 88 885 877 • Email: [eurocus@bourns.com](mailto:eurocus@bourns.com)  
The Americas: Tel: +1-951 781-5500 • Email: [americus@bourns.com](mailto:americus@bourns.com)  
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