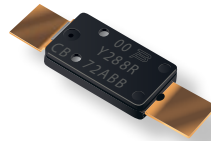




NEW PRODUCT RELEASE

MINIATURE THERMAL CUTOFF DEVICES



Bourns Announces its Smallest Miniature Resettable Thermal Cutoff Devices *Model CB Series*

Riverside, California – October 10, 2019 – Bourns is pleased to announce the introduction of its new Model [CB Series](#) of miniature resettable thermal cutoff (TCO) devices. These are the smallest TCO devices Bourns has produced and they are the next generation of axial leaded miniature resettable thermal cutoff devices.

The new Model CB Series follows the successful Model NR Series and is about 26.5 % smaller than the NR Series and 64.8 % smaller than the HC Series, yet it does not compromise current carrying capability. With resistance levels as low as 2.2 mΩ, the CB Series can carry the same level of current as its larger counterparts in the HC and NR Series.

The Bourns® Model CB Series is available in four trip temperature options of 72 °C, 77 °C, 82 °C and 85 °C with a ±5 °C tolerance. This can be further narrowed upon request. The Model CB Series has current capabilities from 6 A up to 11 A at 60 °C and a welding projection option. The very low-profile height of 0.8 mm and body width of 2.5 mm makes this series ideal for smaller batteries in smartphones and portable electronics, yet the high current carrying capability means these miniature devices will be suitable for next generation notebook PC and tablet battery cells.

These devices have been designed to withstand humid environments and use a high corrosion resistant bimetal mechanism.

The Bourns® Model CB devices are RoHS compliant* with UL agency recognition.

Features

- Miniature Thermal Cutoff (TCO) device
- Smallest body size in product family
- Overtemperature and overcurrent protection for lithium polymer and prismatic cells
- Controls abnormal, excessive current virtually instantaneously, up to rated limits
- Wide range of temperature options
- High corrosion resistance withstand

Applications

Battery cell protection for:

- Notebook PCs
- Tablet PCs
- Smart phones

For additional information, please visit the Bourns website at bourns.com. Visit bourns.com/products/mini-breakers for more information on Bourns® Mini-Breaker Thermal Cutoff Devices. Should you have any questions, please feel free to contact [Customer Service/Inside Sales](#).

* RoHS Directive 2015/863, Mar 31, 2015 and Annex.

** Bourns considers a product to be "halogen free" if (a) the Bromine (Br) content is 900 ppm or less; (b) the Chlorine (Cl) content is 900 ppm or less; and (c) the total Bromine (Br) and Chlorine (Cl) content is 1500 ppm or less.

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