

Design Kit Release

CIRCUIT PROTECTION



ADVANCE NOTICE

Bourns and Komatsulite Announce the Release of Five New Mini-Breaker Design Kits

Riverside, California - TO BE RELEASED MAY 18, 2016 - Following Bourns' acquisition of Komatsulite Mfg. Co., Ltd in late 2014, Bourns is pleased to announce the release of five new Komatsulite™ Mini-Breaker (Thermal Cut Off Device) design kits for the HC Series, LC Series, KCA Series, and NR Series Mini-Breaker overtemperature and overcurrent protectors.

Headquartered in Osaka, Japan, Komatsulite is a leader in the field of safety devices for rechargeable lithium-ion batteries. Komatsulite's innovative mini-breaker devices enable long battery life, high current draw and fast recharge, while providing an effective mechanism to protect against overtemperature and overcurrent conditions.

Komatsulite's family of mini-breakers complements Bourns' broad offering of PTC resettable fuses and TBU® High-Speed Protectors for overcurrent protection as well as our wide range of overvoltage protectors such as TVS Diodes, TISP® Thyristors, Multilayer Varistors and Gas Discharge Tubes.

For further details on these exciting new design kits, please contact Customer Service/Inside Sales.

| Design Kit | Description | Components Included | Quantity |
|------------|--------------------------|--|----------|
| HC-LAB1 | High Current | HC72AY-1, HC77AY-1, HC82AY-1, HC85AY-1, HC90AY-1 | 5 each |
| LC-LAB1 | Low Current | LC72AY-1, LC77AY-1, LC82AY-1, LC85AY-1 | 5 each |
| KCA-LAB1 | Small Body, High Current | KCA72AB0, KCA77AB0, KCA82AB0, KCA85AB0 | 5 each |
| NR-LAB1 | Small Size, High Current | NR72AB0, NR77AB0, NR82AB0, NR85AB0 | 5 each |
| NR-LAB2 | Small Size, Low Current | NR72CB0, NR77CB0, NR82CB0, NR85CB0 | 5 each |

Features

- Overtemperature and overcurrent protection for lithium polymer and prismatic cells
- Controls abnormal, excessive current virtually instantaneously
- Wide range of temperature options
- RoHS compliant*

Applications

Battery cell protection for:

- Notebook PCs
- Tablet PCs
- Smart phones
- Mobile phones