

LiB Series (Mini Protector)

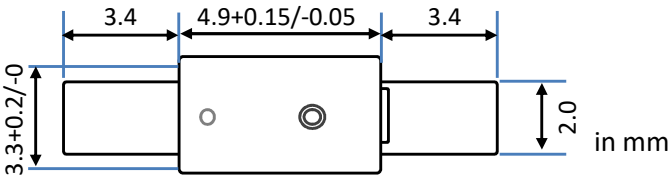
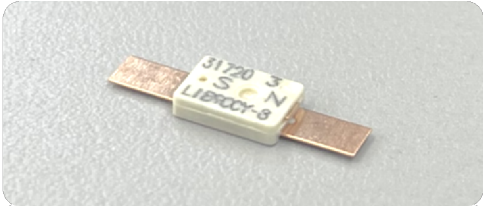
Features

- Small and slim size
- Available to conduct 12A at 60°C

Applications

- Heat protection, over current protection for batteries
- Laptop PCs, Tablet PCs
 - Buck-up batteries

Dimensions



Specifications

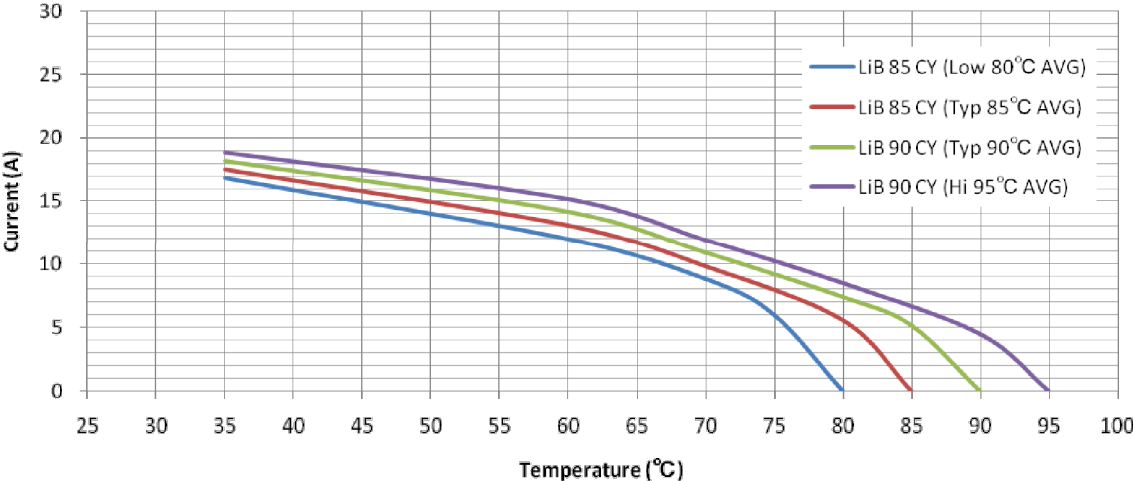
Specification item	LiB□□□Y
Trip temperature	70°C~95°C
Trip temperature tolerance	±5°C
Reset temperature	40°C min.
Difference between trip and reset temp	7°C min.
Resistance	10 mΩ max.
Contact rating	DC10V / 12A
Maximum breaking current	40A (DC5V)
Maximum voltage	DC28V
Minimum holding voltage	DC2V for 1minute
Maximum leakage current	150mA

Typical performance

Current vs Temperature curves (U/T curves)

Data is LiB85CY/90CY type.

Current vs Temperature Curve - LiB85/90CY



LiB 77 A Y - 1
 I II III IV V

- I . Model name: LiB
- II . Trip temperature (Celsius)
- III . Current sensitivity type number
 *Current sensitivity performance depends on part number, please contact us for detail.
- IV . Reset method : N – Automatic reset type(not built-in PTC), Y – Self holding type (built-in PTC)
- V . Custom option: Serial number

Certification, Conformity

Agency / Standard / File No.		Hazardous substance regulation	
UL, cUL	TUV	RoHS 2.0	Halogen Free
UL 60730 CAN/CSA-E60730	EN 60730-2-9 IEC 60730-2-9	○※1	○
File No: E 194576	File No: R 50240345		

Halogen Free : Br is 900ppm or less, Cl is 900ppm or less, total Br+Cl is 1,500ppm or less.

※1: Although ceramic of PTC contains Lead, it is exemption in RoHS directive.

Others

■ In LiB series, there is no Ni plate terminal welded option, however, it is possible to be considered depending on your necessary quantity and plate shape/size requirement, whether it can be assembled by automatic machine or not. Please contact us if you need.