

LiB Series (Mini Protector)

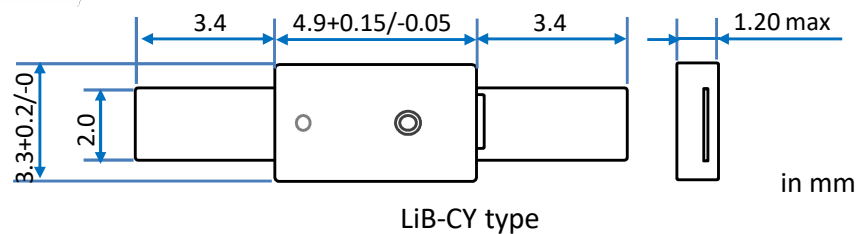
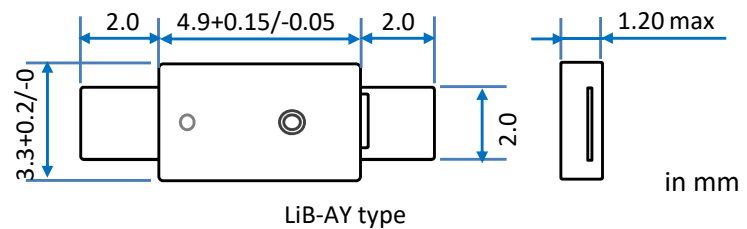
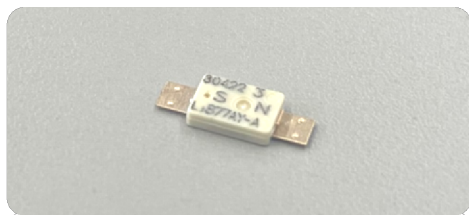
Features

- Small and slim size
- Variety of temperature selection

Applications

- Heat protection, over current protection for batteries
- Communication, Radio equipments
- Laptop/Tablet PCs ■ Other consumer device
- DC Solenoid

Dimensions



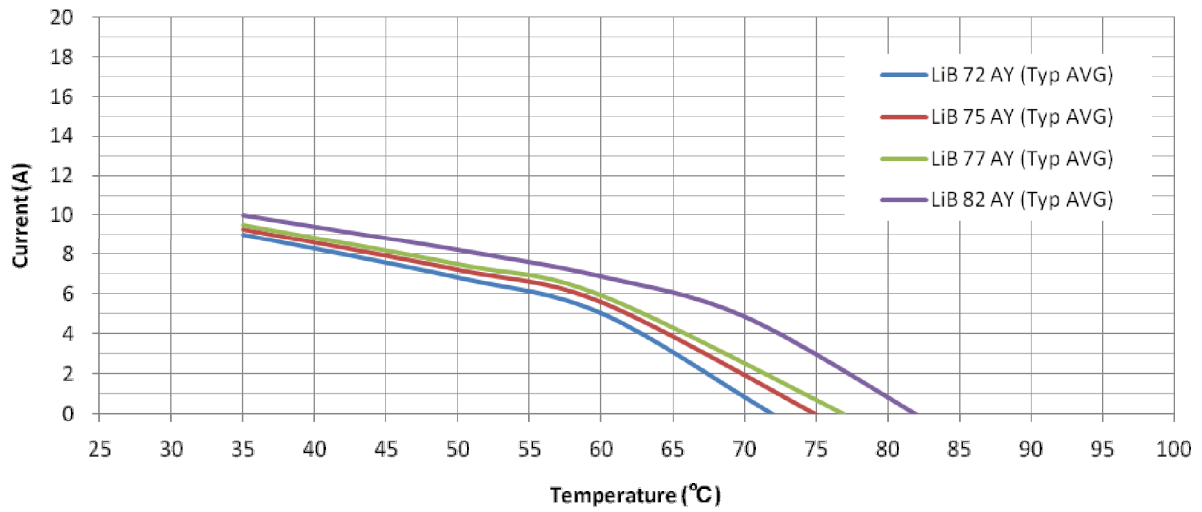
Specifications

Specification item	LiB□□AY	LiB□□CY
Trip temperature	70°C~95°C	70°C~95°C
Trip temperature tolerance	±5°C	±5°C
Reset temperature	40°C min.	40°C min.
Difference between trip and reset temp	7°C min.	7°C min.
Resistance	10 mΩ max.	7 mΩ max.
Current sensitivity	15A within 5sec	25A within 15sec
Contact rating	DC10V/12A or DC16V/7A	DC10V/12A or DC16V/7A
Maximum breaking current	40A (DC5V)	60A (DC5V)
Maximum voltage	DC28V	DC28V
Minimum holding voltage	DC2.0V @25°C for 48h	DC2.5V @25°C for 48h
Maximum leakage current	150mA	150mA

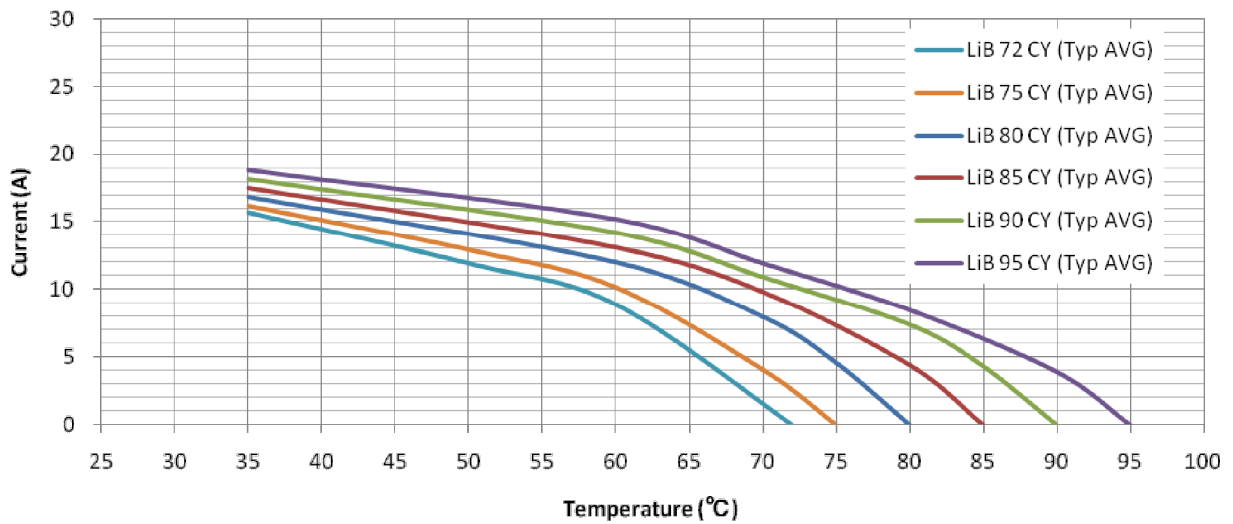
※ No built-in PTC type (LiB-AN type) is available.

※ Non trip current (U/T current) specifications depend on series and trip temperature, please contact us for detail.

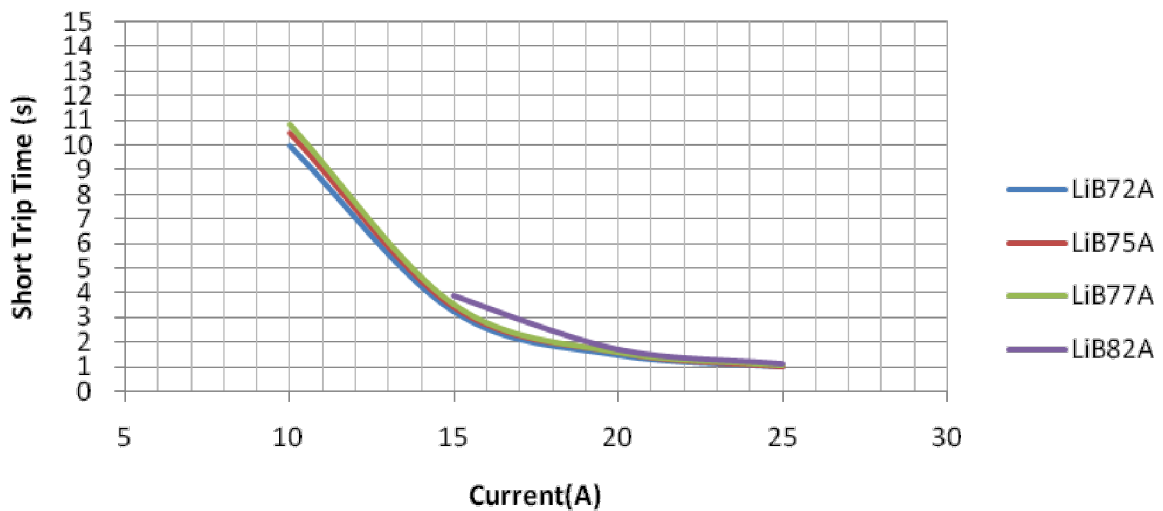
Current vs Temperature Curve - LiB-AY



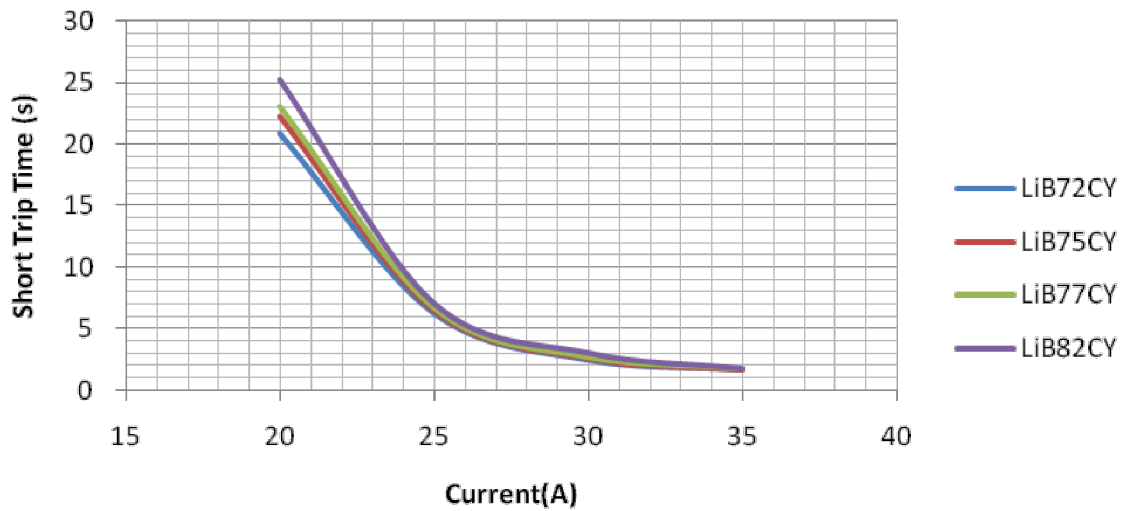
Current vs Temperature Curve - LiB-CY



Short Trip Time LiB-AY type



Short Trip Time LiB-CY type



Part numbering

LiB 77 A Y - H
 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	O※1	O
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.