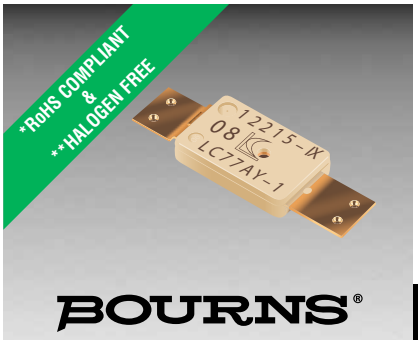


BOURNS®

Features

- Formerly a **KOMATSULITE**™ product
- Miniature Thermal Cutoff (TCO) device
- Low current type
- Overtemperature and overcurrent protection for lithium polymer and prismatic cells
- Controls abnormal, excessive current virtually instantaneously
- Wide range of temperature options

Applications

Battery cell protection for:

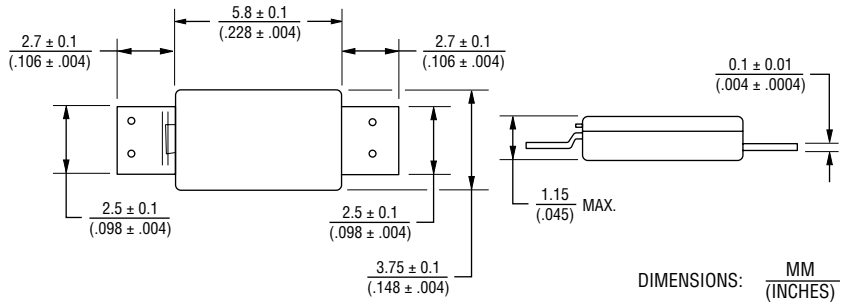
- Notebook PCs
- Tablet PCs
- Smart phones
- Mobile phones

LC Series Breaker (Thermal Cutoff Device)

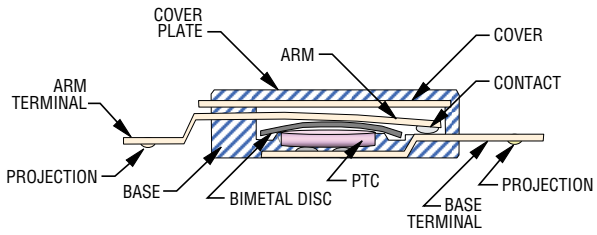
Ratings

Specification	Model			
	LC72AY-1	LC77AY-1	LC82AY-1	LC85AY-1
Trip Temperature	72 °C ± 5 °C	77 °C ± 5 °C	82 °C ± 5 °C	85 °C ± 5 °C
Reset Temperature	40 °C min.			
Contact Rating	DC9V / 12 A, 6000 cycles			
Maximum Breaking Current	DC5V / 40 A, 100 cycles			
Maximum Voltage	DC28V / 5 A, 100 cycles			
Minimum Holding Voltage	2 V @ 25 °C for 1 minute			
Maximum Leakage Current	150 mA max. @ 25 °C			
Resistance	10 ± 5 milliohms max.			

Product Dimensions



Product Structure



AVAILABLE WITH AND WITHOUT PROJECTIONS.

Agency Recognition

Description	
UL, cUL	File Number: E215638
TUV	File Number: R50188566

How to Order

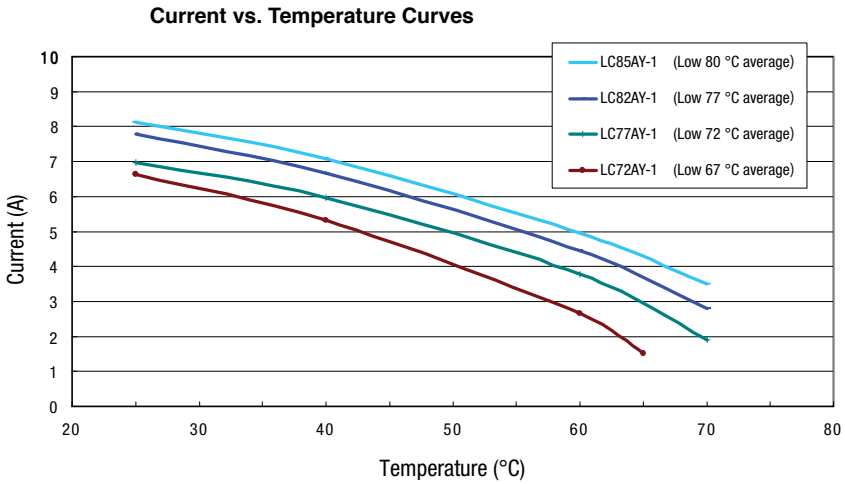
LC 72 A Y - 1

- Series Designator
- Trip Temperature (±5 °C)
  - • 72 • 82
  - • 77 • 85
- Arm Material
  - A = Cu Alloy
- Manufacturer's Internal Code
- Terminal Type (with/without Projection & Terminal Length)

* RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.

** 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.

Typical Performance



Place test samples in oven at 25 °C, 40 °C, 60 °C and 70°C and increase current flow through the sample at a rate of 0.1 A/minute and record current value when sample trips.

Operation