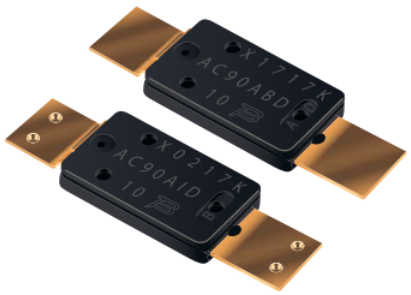
High Current Series



FEATURES

- High current capacity, low impedance
- 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

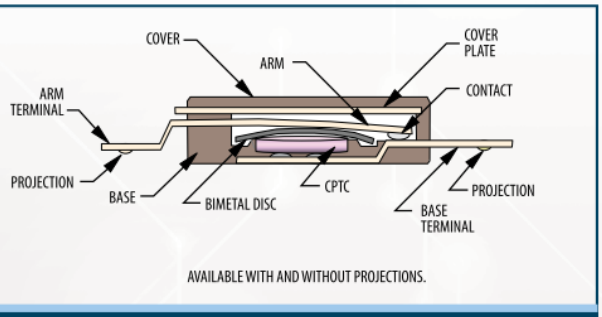
APPLICATIONS

Battery cell protection for:

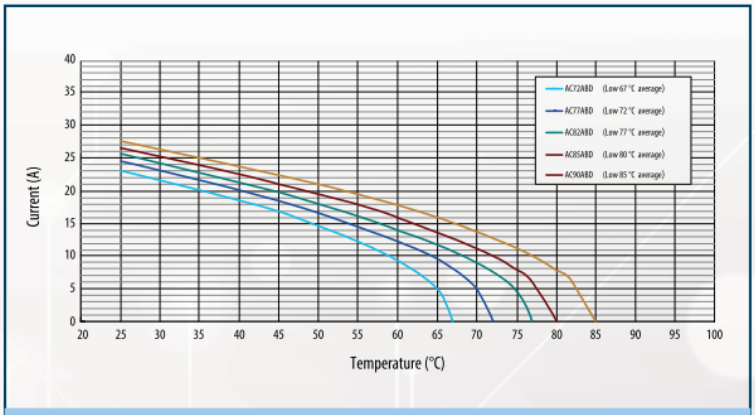
- Notebook PCs
- Tablet PCs
- Smart Phones

AC Series – Very High Current Series

Model	Trip Temperature	Reset Temperature	Maximum Breaking Current	Maximum Voltage	Maximum Leakage Current	Resistance
AC72ABD	72 °C ± 5 °C	40 °C min.	DC5 V / 60 A,100 cycles	DC28 V / 35 A, 100 cycles	200 mA max. @ 25 °C	2 milliohms max.
AC77ABD	77 °C ± 5 °C	40 °C min.	DC5 V / 60 A, 100 cycles	DC28 V / 35 A, 100 cycles	200 mA max. @ 25 °C	2 milliohms max.
AC82ABD	82 °C ± 5 °C	40 °C min.	DC5 V / 60 A, 100 cycles	DC28 V / 35 A, 100 cycles	200 mA max. @ 25 °C	2 milliohms max.
AC85ABD	85 °C ± 5 °C	40 °C min.	DC5 V / 60 A, 100 cycles	DC28 V / 35 A, 100 cycles	200 mA max. @ 25 °C	2 milliohms max.
AC90ABD	90 °C ± 5 °C	40 °C min.	DC5 V / 60 A, 100 cycles	DC28 V / 35 A, 100 cycles	200 mA max. @ 25 °C	2 milliohms max.

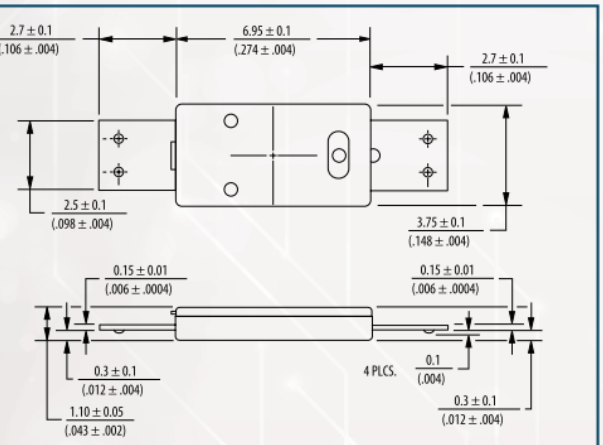


Product Structure



Ambient Temperature Impact on Mini-breaker Operating Currents

The above curves were derived from placing test samples in an oven at 25 ˚C, 40 ˚C, 60 ˚C and 70 ˚C, increasing current flow through the sample at a rate of 0.1 A/minute and recording the current value when the sample trips.



Dimensions

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