

**SAMPLE APPLICATIONS OF BPC**



The BPC Series is a Battery Pack Protector with high ultimate trip current and small resistance between the terminals, produced by Uchiya Thermostat for DC applications up to 6A (18V).

The compact size and unique design of the BPC Series allows it to fit into tight spaces in rechargeable battery applications and to be mounted onto PCB Boards.

Various materials are available for the switching arms of the BPC Series depending on the needs of the Battery Pack application.

**SAFETY APPROVAL**

VDE	EN60730-2-9	6A 18V DC
UL/c-UL	UL873	6A 18V DC
	C22.2 No 24	6A 18V DC



**FEATURES**

- High Ultimate Trip Current
- Snap Action Bimetal Technology
- Various Connection Option
- Worldwide Safety Approvals
- Not Current Sensitive

**STANDARD SPECIFICATION**

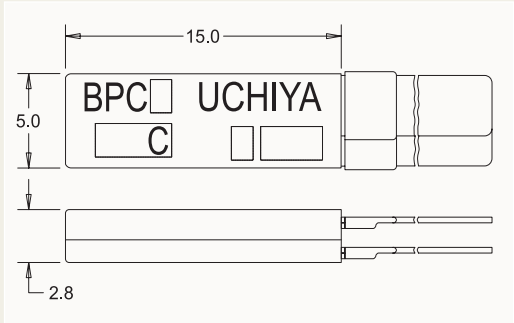
SPECIFICATION	BPC SERIES
Switch Temp.	70C ~ 100° C*
Open Tolerance	+/- 5K
Standard Differential	46° or HIGHER
Reset Tolerance	+/- 10K
Current	6A
Voltage	18V DC
Cycles	6,000*
Contact	NORMAL CLOSED [NC]
Contact Resistance	< 50mΩ
Impregnation Resistance	SUITABLE**
Max Cut-Out Current	DC 12V 120A
Ultimate Trip Current	10A [75°C OPERATE]
Protection Class	1
Minimum Leadwire Size	AWG24

\* See Approvals Table for more information \*\* Please contact Uchiya for further information

**PRODUCT DESCRIPTION**

- Battery Protector
- Thermal Cut-Out
- Thermal Protector

**DIMENSIONS**



**SERIES VARIATIONS**

- BPC** Terminals Only
- BPC1** Solid LeadWire
- BPC2** Insulated LeadWire
- BPC3** Nickel Ribbon

Other configurations are available, please contact Uchiya

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