

providing SAFETY to SOCIETY worldwide

SAMPLE APPLICATIONS OF BPD

- PC NOTEBOOK BATTERY PROTECTOR
- LI-ION OVERHEAT PROTECTOR
- LI-ION OVERLOAD PROTECTOR
- NI-MH RECHARGEABLE BATTERY PACK PROTECTOR



The BPD Series is a Battery Pack Protector with a very high ultimate trip current and small resistance between the terminals, produced by Uchiya Thermostat for DC applications up to 10A (18V).

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

The BPD Series is suitable for protection of HighPower and Capacity Li-ion Battery Packs.

SAFETY APPROVAL

VDE	EN60730-2-9	10A 18V DC
UL/c-UL	UL873	10A 18V DC
	C22.2 No 24	10A 18V DC



FEATURES

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

STANDARD SPECIFICATION

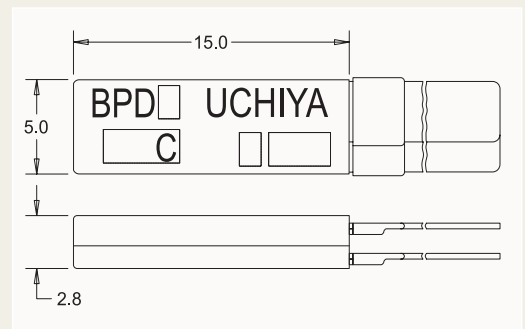
SPECIFICATION	BPD SERIES
Switch Temp.	70C ~ 100° C*
Open Tolerance	+/- 5K
Standard Differential	46° or HIGHER
Reset Tolerance	+/- 10K
Current	10A
Voltage	18V DC
Cycles	6,000*
Contact	NORMAL CLOSED [NC]
Contact Resistance	< 50mΩ
Impregnation Resistance	SUITABLE**
Max Cut-Out Current	DC 12V 120A
Ultimate Trip Current	16.5A [80°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

- BPD** Terminals Only
- BPD1** Solid LeadWire
- BPD2** Insulated LeadWire
- BPD3** Nickel Ribbon

Other configurations are available, please contact Uchiya

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