

SAMPLE APPLICATIONS OF BPF

NEW

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

SAFETY APPROVAL

VDE	EN60730-2-9	15A 15V DC
UL/c-UL	UL873	15A 15V DC
	C22.2 No 24	15A 15V DC



FEATURES

- 21A Ultimate Trip Current
- Dual Spring Snap Action Bimetal Technology
- Various Connection Options
- Worldwide Safety Approvals
- Not Current Sensitive

STANDARD SPECIFICATION

SPECIFICATION	BPF SERIES
Switch Temp.	70C ~ 100° C*
Open Tolerance	+/- 5K
Standard Differential	46° or HIGHER
Reset Tolerance	+/- 10K
Current	15A
Voltage	15V DC
Cycles	6,000*
Contact	NORMAL CLOSED [NC]
Contact Resistance	< 50mΩ
Impregnation Resistance	SUITABLE**
Max Cut-Out Current	DC 12V 120A
Ultimate Trip Current	21A [80°C OPERATE]
Protection Class	1
Minimum Leadwire Size	AWG24

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

The BPF Series is the next generation of Battery Pack Protector and Thermal Protector with a very high ultimate trip current and small resistance between the terminals, produced by Uchiya Thermostat for DC applications up to 15A (15V).

With its dual spring technology and high contact pressure, the BPF Series is capable of withstanding large shocks and impacts without interruption of the DC current by the Protector.

Internally in the BPF Series, low resistance materials are used, so that the uses of the BPF Series are wide from Battery Pack Protection to Automotive Motor Protection.

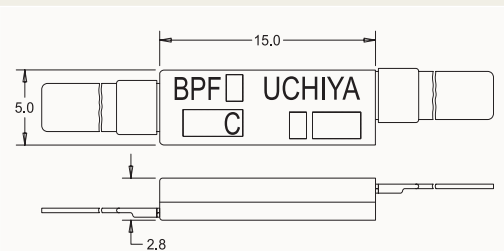
The opposite side terminal deign of the BPF Series makes installation on applications more convenient.

The compact size and unique design of the BPF Series fitting into tight spaces in rechargeable battery applications, to be mounted onto PCB Boards and for use in small Automotive motors.

PRODUCT DESCRIPTION

- Battery Protector
- Thermal Cut-Out
- Thermal Protector

DIMENSIONS



SERIES VARIATIONS

- BPF** Terminals Only
- BPF1** Solid LeadWire
- BPF2** Insulated LeadWire
- BPF3** Nickel Ribbon

Other configurations are available, please contact Uchiya

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