LB050LV

Polymer PTC Devices

R-line resettable fuses

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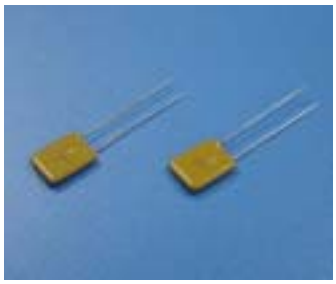
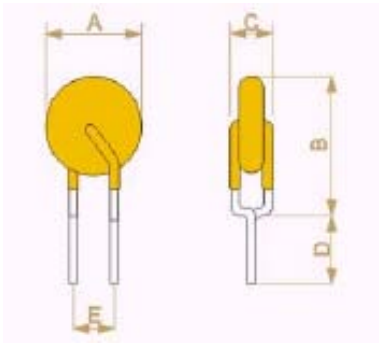
Features



- ☐ Radial leaded devices
- ☐ Designed for use in line voltage applications, permitting maximum voltages of up to 265 VAC
- ☐ Protecting against both overcurrent and overtemperature faults on the primary side of power supplies and transformers
- ☐ Available in lead-free version
- ☐ Recognition: UL、CSA、TUV is pending

Product Dimensions (mm)

Part number	A	B	C	D	E	Lead
	Max	Max	Max	Min	Typ	Size(ϕ)
LB050LV	8.3	10.7	5.1	7.6	3.8	0.6



Marking system

LB
□□□ LV

Product family

Current rating

* Lead materials: Tin-plate metal wire.
* Lead-free devices are available,
the right logo is lead-free mark of wayon.

Electrical Characteristics

Part number	I_H	I_T	T_{trip}		V_{max} interrupt	I_{max}	R_{min}	R_{max}
	(A)	(A)	Current(A)	Time(S)	(V)	(A)	(Ω)	(Ω)
LB050LV	0.05	0.12	0.25	15.0	265	1.0	18.5	31.00

I_H=Hold current: maximum current at which the device will not trip at 25℃ still air.

I_T=Trip current: minimum current at which the device will always trip at 25℃ still air.

T_{trip}=Maximum time to trip(s) at assigned current.

V_{max}=Maximum voltage device can withstand without damage at rated current.

I_{max}=Maximum fault current device can withstand without damage at rated voltage.

R_{min}=Minimum device resistance at 25℃ prior to tripping.

R_{max}=Maximum device resistance at 25℃ prior to tripping.

Thermal Derating Chart-$I_{H(A)}$

Part number	Maximum ambient operating temperatures(℃)								
	-40	-20	0	25	40	50	60	70	85
LB050LV	0.09	0.08	0.06	0.05	0.04	0.04	0.03	0.03	0.02

Package Information

Bulk: 1000pcs per bag; Tape & Reel: 3000pcs per reel.