

**Polymer
 PTC Devices**

R-line resettable fuses

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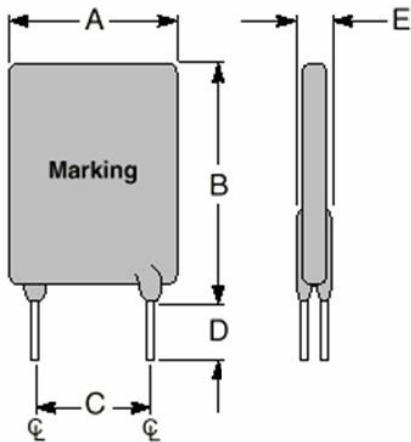
LB1500LVF

Features

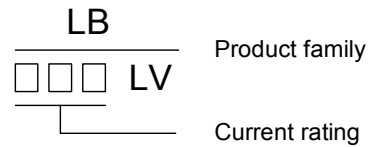
- Radial leaded devices
- Lead-free and compliant with the European Union RoHS Directive 2011/65/EU
- High voltage surge capabilities

Product Dimensions (mm)

Part number	A	B	C		D	E	Lead Size(φ)
	Max.	Max.	Min.	Max.	Min.	Max.	
LB1500LVF	19.0	29.0	9.5	10.9	5.1	3.8	0.8



Marking system



* Lead materials: Tin-plate metal wire.

Electrical Characteristics

Part number	I_H	I_T	Max. Time to Trip		V_{max} interrupt	I_{max}	$P_{d\ typ}$	R_{min}	R_{max}
	(A)	(A)	Current(A)	Time(s)	(V)	(A)	(W)	(Ω)	(Ω)
LB1500LVF	1.50	3.00	7.50	23.0	265	15.0	3.70	0.22	0.36

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

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

Max. Time to Trip =Maximum time to trip 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.

$P_{d\ typ}$ =Typical power dissipation: typical amount of power dissipated by the device when in state air environment.

R_{min} =Minimum device resistance at 25°C prior to tripping

R_{max} = Maximum device resistance at 25°C prior to tripping

Thermal Derating Chart- I_H (A)

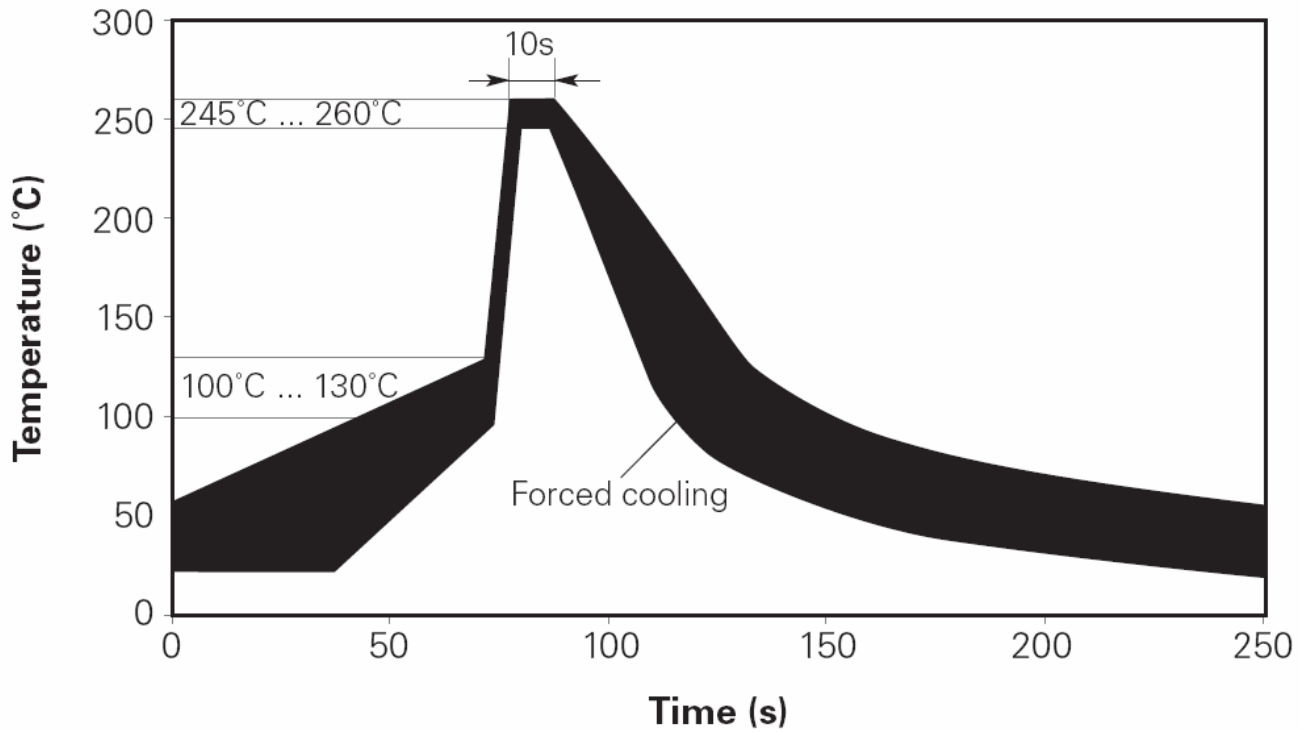
Part number	Maximum ambient operating temperatures(°C)								
	-40	-20	0	25	40	50	60	70	85
LB1500LVF	2.80	2.10	1.80	1.50	1.44	1.10	1.00	0.78	0.55

Package Information

Bulk: 500pcs per bag.

Soldering Recommendations

Wave Soldering



Hand Soldering

Soldering temperature: $350^{\circ}\text{C} \pm 5^{\circ}\text{C}$.

Soldering time: no more than 5s.

Soldering position: at least 4 mm away from PTC chip.