

**Polymer
PTC Devices**

Strap resettable fuses

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LV175T

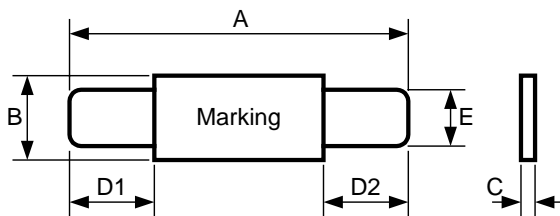
Features

- Strap devices, Axial leaded, Very small dimension, Very low initial resistance
- Low switching temperature, Provides overcurrent protection with 80 °C trip temperature
- Typical used for protection of Li-ion /Polymer Li-ion battery
- Available in lead-free version
- Agency recognition: UL、CSA、TUV

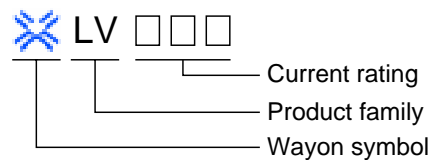


Product Dimensions (mm)

Part number	A		B		C		D1		D2		E	
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
LV175T	20.2	23.5	3.5	3.9	0.5	0.9	3.4	5.0	5.5	6.7	2.4	2.6



Marking system



- * Lead materials: Nickel.
- * Insulating material: Polyester tape.
- * 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}	I_{max}	R_{min}	R_{max}
	(A)	(A)	Current(A)	Time(S)	(V)	(A)	()	()
LV175T	1.75	4.20	8.75	5.0	12	100	0.017	0.030

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.

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 °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
LV175T	3.50	2.90	2.40	1.75	1.30	1.00	0.80	0.30

Packaging: Bulk, 1000pcs per bag.