



**LV175**

**Features**

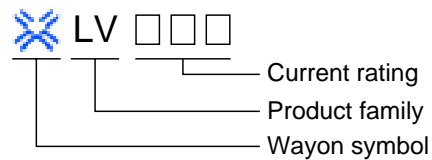
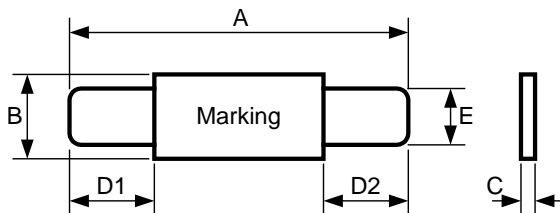
- Strap devices, Axial leaded, Very small dimension, Very low initial resistance
- Low switching temperature, Provides overcurrent protection with 80 °C trip temperature
- Typical used for protection of Li-ion /Polymer Li-ion battery
- Available in lead-free version
- Agency recognition: UL、CSA、TUV



**Product Dimensions (mm)**

Part number	A		B		C		D1		D2		E	
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
LV175	20.8	23.5	3.6	3.8	0.5	0.8	4.5	6.5	4.5	6.5	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)	( )	( )
LV175	1.75	4.20	8.75	5.0	12	100	0.018	0.035

$I_H$ =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
LV175	3.40	2.88	2.37	1.75	1.13	0.93	0.62	0.31

Packaging: Bulk, 1000pcs per bag.