

**Polymer  
PTC Devices**

*Strap resettable fuses*

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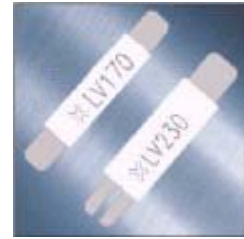
[Http://www.way-on.com](http://www.way-on.com)



**LV175TS**

**Features**

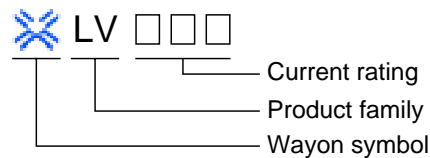
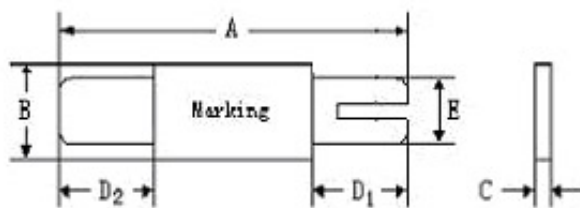
- Strap devices, Axial leaded, Very small dimension, Very low initial resistance
- Low switching temperature, Provides overcurrent protection with 80 °C trip temperature
- Typical used for protection of Li-ion /Polymer Li-ion battery
- Available in lead-free version
- Agency recognition: UL、CSA、TUV



**Product Dimensions (mm)**

Part number	A		B		C		D1		D2		E	
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
LV175TS	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)	( )	( )
LV175TS	1.75	4.20	8.75	5.0	12	100	0.017	0.040

$I_H$ =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
LV175TS	3.50	2.90	2.40	1.75	1.30	1.00	0.80	0.30

Packaging: Bulk, 1000pcs per bag.