

**Polymer
 PTC Devices**

Strap resettable fuses

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LPDT170

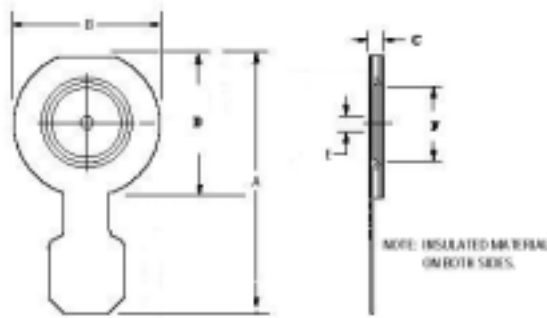
Features

- Fast tripping resettable circuit protection
- Low internal resistance
- Weldable nickel terminals
- Typical applications in AAA size battery
- Available in lead-free version

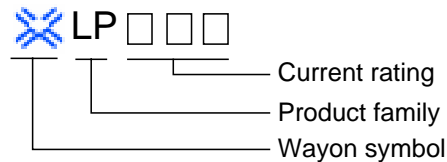


Product Dimensions (mm)

Part number	A		B		C		D		E		F	
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
LPDT170	16.5	17.5	9.5	10.5	0.9	9.4	10.0	0.8	1.2	5.0	5.2	16.5



Marking system



* Lead materials: Nickel.

* Insulating material: Polyester tape.

Electrical Characteristics

Part number	I_H (A)	I_T (A)	T_{trip}		V_{max} (V)	I_{max} (A)	R_{min} ()	R_{max} ()
			Current(A)	Time(S)				
LPDT170	1.7	3.7	8.5	5.0	15	50	0.050	0.098

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
LPDT170	3.20	2.70	2.20	1.70	1.30	1.10	0.80	0.60	0.35

Package Information

Bulk,1000pcs per bag.