

**Polymer
PTC Devices**

Strap resettable fuses

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LP170N

Features

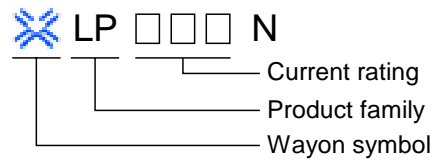
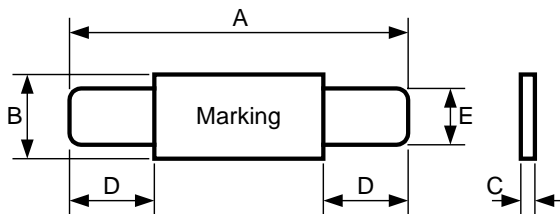
- Strap devices, Axial leaded, Low initial resistance
- Narrow breadth designs to meet smaller battery packs
- Typical used for protection of Li-ion /Polymer Li-ion battery
- Available in lead-free version
- Agency recognition: UL、CSA、TUV



Product Dimensions (mm)

Part number	A		B		C		D		E	
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
LP170N	23.0	25.5	3.0	3.3	0.5	0.8	4.7	6.5	5.2	7.2

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)	()	()
LP170N	1.70	4.10	8.50	5.0	12	100	0.030	0.051

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
LP170N	2.79	2.45	2.20	1.70	1.54	1.45	1.29	1.11	0.87

Packaging: Bulk, 1000pcs per bag.