

**Polymer
PTC Devices**

Strap resettable fuses

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LP420

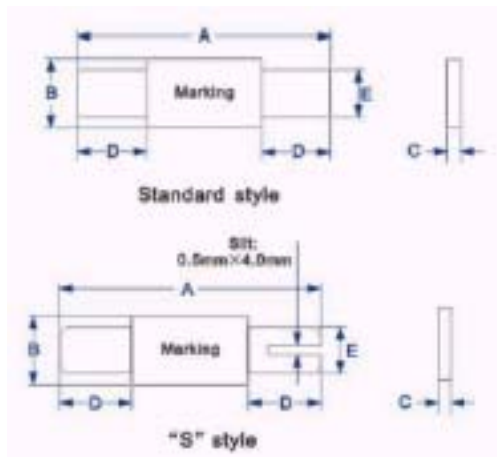
Features

- Strap devices, Axial leaded, Low initial resistance
- Typical used for protection of NiCd/NiMH rechargeable battery packs, Li-ion /Polymer Li-ion battery
- Available in lead-free version
- Agency recognition: UL, CSA, TUV

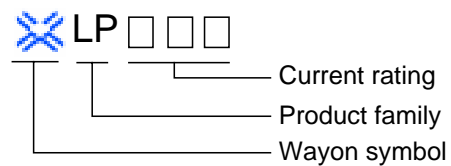


Product Dimensions (mm)

Part number	A		B		C		D		E	
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
LP420	29.6	32.4	11.9	12.5	0.5	0.9	5.0	7.5	4.9	5.1



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)	()	()
LP420	4.20	7.60	20.0	6.0	24	100	0.012	0.024

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	
LP420	6.53	5.81	5.20	4.20	3.69	3.38	3.10	2.75	2.24	

Package Information

Bulk: 500pcs per bag.