

**Polymer
PTC Devices**

Strap resettable fuses

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LR270

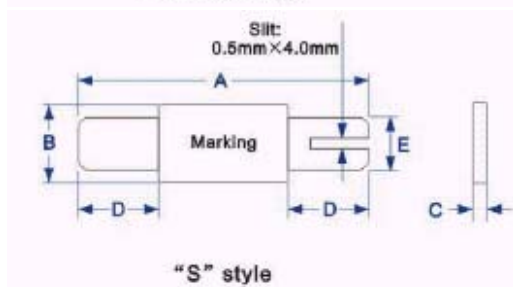
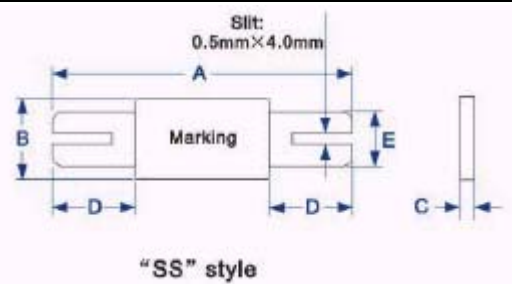
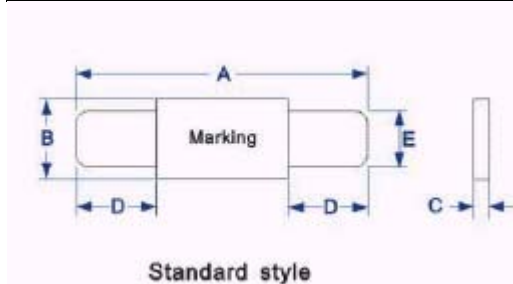
Features

- Strap devices, Axial leaded, Very small sizes, Very low initial resistances
- Low switching temperature, Provides overcurrent protection with 85 °C trip temperature
- Typical used for protection of Li-ion /Polymer Li-ion battery
- Available in lead-free version
- Agency recognition: UL, CSA, TUV

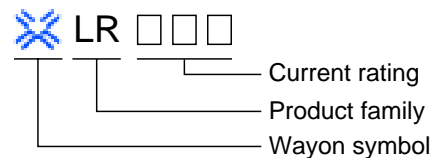


Product Dimensions (mm)

Part number	A		B		C		D		E	
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
LR210N	20.9	23.1	4.9	5.5	0.5	0.8	4.5	6.0	3.9	4.1



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)	()	()
LR270	2.70	6.50	16	100	13.5	5.0	0.012	0.018

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
LR270	5.60	4.70	4.00	2.70	2.20	1.70	1.40	0.90

Packaging: Bulk, 1000pcs per bag.