

**Polymer
PTC Devices**

Strap resettable fuses

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LR210

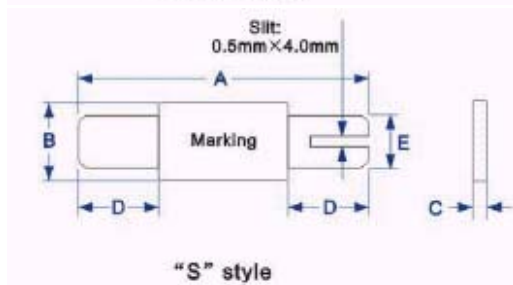
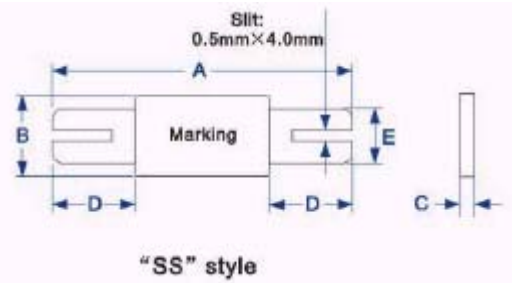
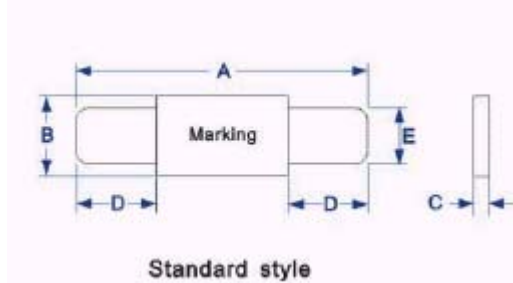
Features

- 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

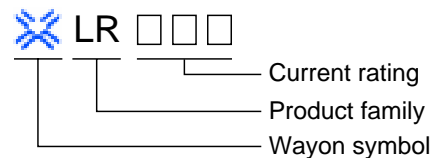


Product Dimensions (mm)

Part number	A		B		C		D		E	
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
LR210N	24.0	26.5	3.30	3.50	0.40	0.90	3.9	5.2	3.1	3.3



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)	()	()
LR210N	2.10	4.70	10.0	4.0	16	100	0.018	0.035

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
LR210N	4.00	3.40	2.70	2.10	1.50	1.20	0.90	0.60

Packaging: Bulk, 1000pcs per bag.