REV LETTER: E
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PART NUMBER:

LR210

Polymer PTC Devices

Strap resettable fuses

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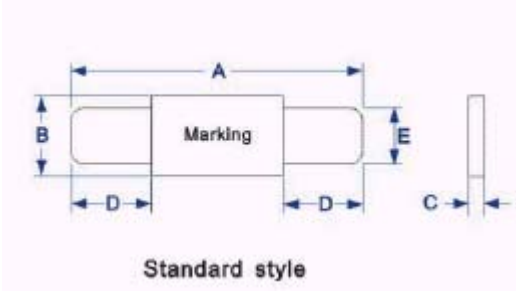
Features

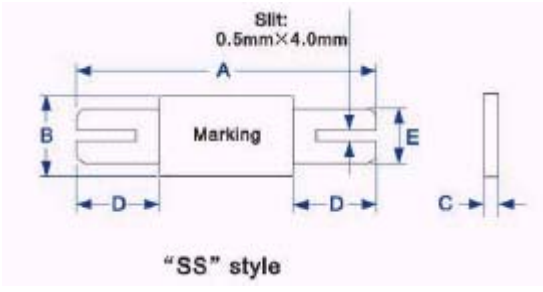
- ☐ Strap devices, Axial leaded, Very small sizes, Very low initial resistances
- ☐ Low switching temperature, Provides overcurrent protection with 85℃ trip temperature
- ☐ Typical used for protection of Li-ion /Polymer Li-ion battery
- ☐ Available in lead-free version
- ☐ Agency recognition: UL、CSA、TUV

Product Dimensions (mm)

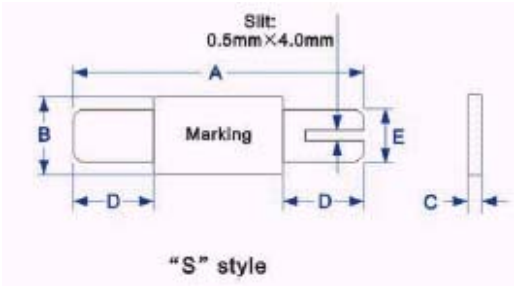
Part number	A		B		C		D		E	
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
LR210	24.0	26.5	3.60	3.80	0.40	0.90	3.9	5.2	3.1	3.3



Standard style

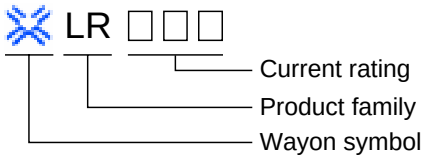


"SS" style



"S" style

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)	(Ω)	(Ω)
LR210	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℃ 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
LR210	4.00	3.40	2.70	2.10	1.50	1.20	0.90	0.60

Packaging: Bulk, 1000pcs per bag.