



Features



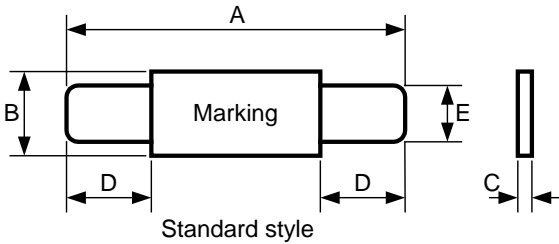
- Strap devices, Axial leaded
- Smaller dimension, Lower initial resistance
- Low switching temperature, Provides overcurrent protection with 85 °C trip temperature
- Typical use for Li-ion /Polymer Li-ion battery
- Available in lead-free version



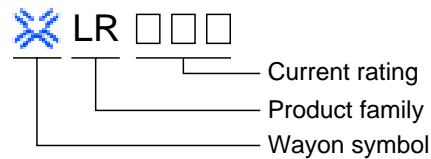
LR series Strap devices

Product Dimensions(mm)

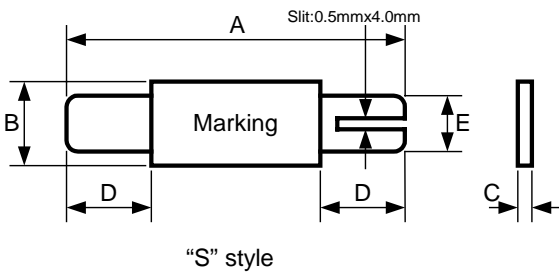
Part number	A		B		C		D		E	
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
LR210	24.0	26.5	3.60	3.80	0.40	0.90	3.9	5.2	3.1	3.3
LR210N	24.0	26.5	3.30	3.50	0.40	0.90	3.9	5.2	3.1	3.3
LR270	20.9	23.1	4.9	5.5	0.5	0.8	4.5	6.0	3.9	4.1



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	V_{max}	I_{max}	T_{trip}		R_{min}	R_{max}
	(A)	(A)	(V)	(A)	Current(A)	Time(S)	()	()
LR210	2.10	4.70	16	100	10.0	4.0	0.018	0.035
LR210N	2.10	4.70	16	100	10.0	4.0	0.018	0.035
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.
- 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.
- T_{trip} =Maximum time to trip(s) at assigned current.
- P_{dtyp} =Typical power dissipation: typical amount of power dissipated by the device when in state air environment.

R_{min} =Minimum device resistance at 25 prior to tripping.
 R_{max} =Maximum device resistance at 25 prior to tripping.

Test Procedures And Requirements

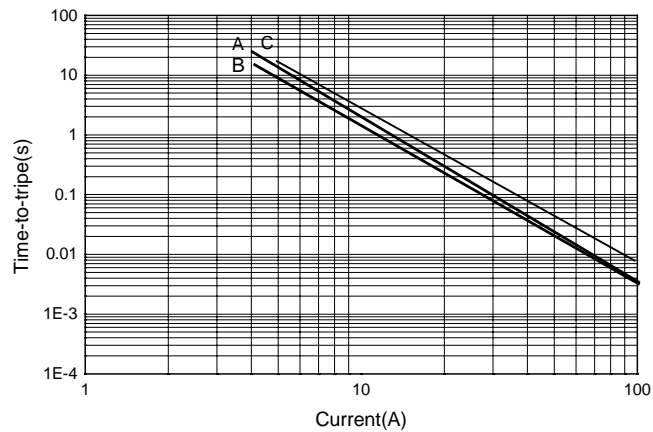
Test	Test Conditions	Accept/Reject Criteria
Resistance	In still air @ 25	R_{min} R R $_{max}$
Time to Trip	Specified current, V_{max} , 25	T maximum Time to Trip
Hold Current	30min, at I_H	No trip
Trip Cycle Life	V_{max} , I_{max} , 100cycles	No arcing or burning
Trip Endurance	V_{max} , 24hours	No arcing or burning

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
LR210N	4.00	3.40	2.70	2.10	1.50	1.20	0.90	0.60
LR270	5.60	4.70	4.00	2.70	2.20	1.70	1.40	0.90

Typical Time-to-Trip Charts at 25

A=LR210
 B=LR210N
 C=LR270



Package Information

Bulk:
 LR210~LR270.....1000pcs per bag