

Features

SEL-USE

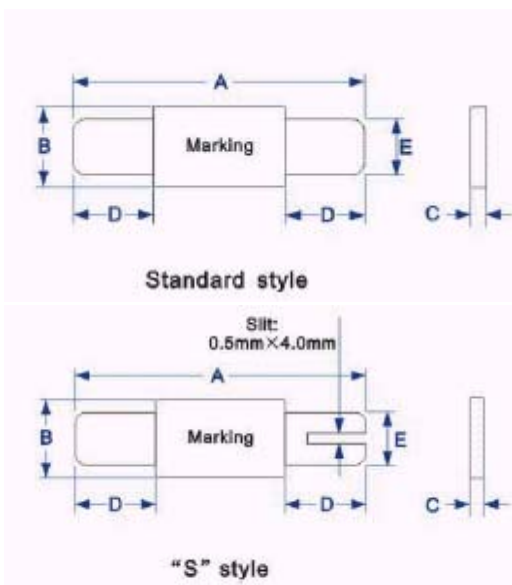
- Strap devices, Axial leaded
- Smaller dimension, Lower initial resistance
- Low switching temperature, Provides overcurrent protection with 85 °C trip temperature
- Typical use for Li-ion /Polymer Li-ion battery
- Available in lead-free version



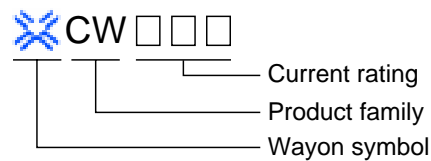
LP-CW series Strap devices

Product Dimensions

Part number	A		B		C		D		E	
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
LP-CW170	15.4	17.5	7.0	7.4	0.5	0.8	4.0	6.2	3.9	4.1
LP-CW175	20.8	23.5	3.6	3.8	0.5	0.8	4.5	6.5	2.4	2.6
LP-CW200	25.5	27.5	6.0	7.0	0.5	0.8	4.0	6.5	2.4	2.6
LP-CW210	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)	()	()
LP-CW170	1.70	3.40	16	100	8.5	3.0	0.030	0.052
LP-CW175	1.75	3.80	12	100	8.75	5.0	0.029	0.051
LP-CW200	2.00	4.70	16	100	8.75	5.0	0.022	0.039
LP-CW210	2.10	4.70	16	100	10.0	5.0	0.018	0.030

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.

Test Procedures And Requirements

Test	Test Conditions	Accept/Reject Criteria
Resistance	In still air @ 25 °C	R_{min} R R_{max}
Time to Trip	Specified current, V_{max} , 25 °C	T_{trip} 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(°C)							
	-40	-20	0	25	40	50	60	70
LP-CW170	3.20	2.70	2.20	1.70	1.30	1.10	0.80	0.60
LP-CW175	3.20	2.70	2.20	1.75	1.30	1.00	0.80	0.50
LP-CW200	3.70	3.20	2.60	2.00	1.50	1.20	0.90	0.50
LP-CW210	4.10	3.50	2.90	2.10	1.60	1.30	1.00	0.70

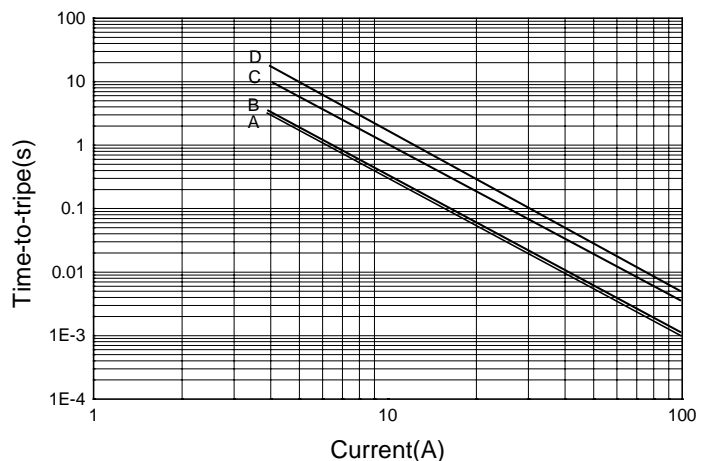
Typical Time-to-Trip Charts at 25 °C

A=LP-CW170

B=LP-CW175

C=LP-CW200

D=LP-CW210



Package Information

Bulk, 1000pcs per bag.