



JINAN WEILIDA POLYMER MATERIAL CO.,LTD

**POLYMER
PTC DEVICES**

**c# XING HE TECHNOLOGY ZONE, HUAYUAN ROAD,
LIXIA DISTR.JINAN CITY CHINA**

Strap resettable fuses

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LR380


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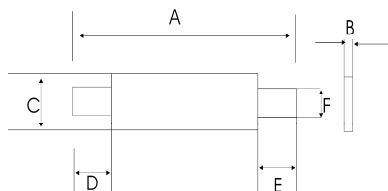
Features ☺ Strap devices, Axial leaded, Low initial resistance

☺ Typical used for protection of NiCd/NiMH rechargeable battery packs,Li-ion /Polymer

Li-ion battery

☺ Available in lead-free version ☺ Agency recognition: UL、E300570 

Product Dimensions (mm)



A		B		C		D		E		F	
Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
25	28	0.6	1.0	6.9	7.6	5.0	8.0	5.0	8.0	4.9	5.1

TABLE2:PERFORMANCE RANTINGS

I _H	I _T	V _{max}	I _{max}	P _D TYP	Maximum Time to Trip		Resistance (Ω)		
(A)	(A)	(Vdc)	(A)	(W)	Current (A)	Time (Sec)	R _{min}	R _{max}	R _{1max}
3.8	8.3	16	100	1.2	1.9	5.0	0.013	0.026	0.032

I_H: Hold current: maximum current device will pass without interruption in 20°C still air .

I_T: Trip current: minimum current that will switch the device from low resistance to high resistance in 20°C still air .

I_{MAX}: Maximum current device can V_{MAX} 100 cycles---NO arcing or burning.

V_{max}: Maximum voltage device can withstand without damage at rated current.

P_D:Power dissipated from device when in the tripped state in 20°C still air..

R_{MIN}: Minimum resistance of device as supplied at 20°C unless otherwise specified.

R_{MAX}: Maximum resistance of device as supplied at 20°C unless otherwise specified.

Thermal Derating Chart-I_T(A)

Part NO	Maximum ambient operating temperatures(°C)										
	-40	-20	0	20	25	40	50	60	70	80	85
LR380	11.78	10.707	9.545	8.3	7.885	7.387	6.557	6.142	5.478	4.98	4.565

