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# **Polymer PTC Devices**

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LC120

Surface mount fuses

#### **Features**

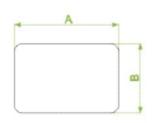
- Overcurrent and overtemperature protection
- Faster tripping, typical application in PDF for communication
- Withstanding high interrupt voltage
- Agency Recognition: UL, CSA, TUV





## **Product Dimensions (mm)**

Part number —	A			В	С		
	Min	Max	Min	Max	Min	Max	
LC120	5.0	5.9	5.0	5.9	1.8	2.8	





#### **Electrical Characteristics**

Part number	l <sub>Η</sub>	I <sub>H</sub> I <sub>T</sub> T <sub>trip</sub>				I <sub>max</sub> Pd <sub>typ</sub> R <sub>min</sub> R <sub>max</sub>			
	(A)	(A)	Current(A)	Time(S)	(V)	(A)	(W)	( )	( )
LC120	0.120	0.240	1.0	1.2*	250	3.0	1.0	6.0	13.0

I<sub>H</sub>=Hold current: maximum current at which the device will not trip at 25 still air.

I<sub>T</sub>=Trip current: minimum current at which the device will always trip at 25 still air.

T<sub>trip</sub>=Typical time to trip(s) at assigned current.

V<sub>max interrupt</sub>=Maximum interrupt voltage device can withstand without damage at rated current.

I<sub>max</sub>=Maximum fault current device can withstand without damage at rated voltage.

Pd<sub>typ</sub>=Typical power dissipation: typical amount of power dissipated by the device when in state air environment.

R<sub>min</sub>=Minimum device resistance at 25 prior to tripping.

R<sub>max</sub>=Maximum device resistance at 25 prior to tripping.

# Thermal Derating Chart-I<sub>H</sub>(A)

Part number	Maximum ambient operating temperatures( )									
	-40	-20	0	25	40	50	60	70	85	
LC120	0.186	0.165	0.143	0.120	0.099	0.088	0.077	0.066	0.050	

### **Package Information**

Bulk packaging, 1000pcs per bag.