

**Polymer
PTC Devices**

Surface mount fuses

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LC120

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		B		C	
	Min	Max	Min	Max	Min	Max
LC120	5.0	5.9	5.0	5.9	1.8	2.8



Electrical Characteristics

Part number	I_H	I_T	T_{trip}		$V_{max\ interrupt}$	I_{max}	Pd_{typ}	R_{min}	R_{max}
	(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_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} =Typical time to trip(s) at assigned current.

$V_{max\ interrupt}$ =Maximum interrupt voltage device can withstand without damage at rated current.

I_{max} =Maximum fault current device can withstand without damage at rated voltage.

Pd_{typ} =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.

Thermal Derating Chart- $I_H(A)$

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.