LC180

Polymer PTC Devices

Surface mount fuses

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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
LC180		10.4		6.6	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)	(Ω)	(Ω)
LC180	0.180	0.360	1.0	15.0	250	10.0	1.0	0.8	2.0

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
LC180	0.269	0.240	0.211	0.180	0.153	0.138	0.123	0.109	0.087

Package Information

Bulk packaging, 1000pcs per bag.