REV LETTER: E PAGE NO: 1 OF 1 PART NUMBER:

Polymer PTC Devices

Surface mount fuses E-mail: market@way-on.com

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LC145

Features

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

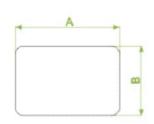






Product Dimensions (mm)

Part number —		A		В	С		
	Min	Max	Min	Max	Min	Max	
LC145	5.0	5.9	5.0	5.9	1.8	2.8	





Electrical Characteristics

Part number	lμ	Ι _Τ	T _{tril}	p	V _{max} interrupt	I _{max}	Pd _{typ}	R_{min}	R _{max}
	(A)	(A)	Current(A)	Time(S)	(V)	(A)	(W)	()	()
LC145	0.145	0.290	1.0	1.5	250	3.0	1.0	4.0	9.0

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	
LC145	0.225	0.199	0.172	0.145	0.119	0.106	0.093	0.080	0.060	

Package Information

Bulk packaging, 1000pcs per bag.