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PAGE NO: 1 OF 1	l
PART NUMBER:	

Polymer PTC Devices

Surface mount fuses

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LC145

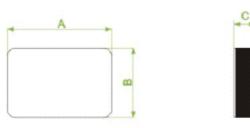
Features

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

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Product Dimensions (mm)

Part number —	A		I	3	С		
	Min	Max	Min	Max	Min	Max	
LC145	5.0	5.9	5.0	5.9	1.8	2.8	



Electrical Characteristics

Part number	I _H	Ι _τ	T _{trij}	0	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

 $I_{\text{H}}\text{=}\text{Hold}$ current: maximum current at which the device will not trip at 25 $\,$ still air.

 $I_{T}{=}Trip \ \text{current: minimum current at which the device will always trip at 25} \qquad \text{still air.}$

 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()									
Fait number	-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.

