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# Polymer PTC Devices

Surface mount fuses

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# LP-SM150

#### Features

- □ Small size of 1812
- □ Fast tripping resettable circuit protection
- □ Surface mount packaging for automated assembly
- Agency Recognition: UL、CSA、TUV Mus International Content of the second secon

#### Product Dimensions (mm)

Dent number	Α	В	С	D
Part number —	Max	Max	Max	Max
LP-SM150	9.50	3.00	6.71	0.70
B	C b	Part Ma	rking System	
- D		≫□□□		

Side View

# End View



# **Electrical Characteristics**

Dont number	I <sub>H</sub>	Ι <sub>Τ</sub>	V <sub>max</sub>	I <sub>max</sub>	T <sub>trip</sub>	0	Pd <sub>typ</sub>	R <sub>min</sub>	R <sub>1max</sub>
Part number	(A)	(A)	(V)	(A)	Current(A)	Time(S)	(W)	()	()
LP-SM150	1.50	3.00	33	40	8.0	5.0	2.1	0.060	0.250

 $I_{H}$ =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.

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

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

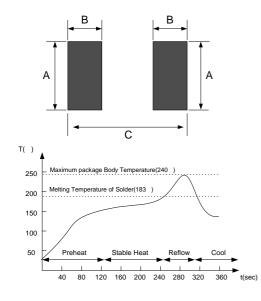
 $T_{trip}$ =Maximum time to trip(s) at assigned current.

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.

R1max=Maximum device resistance measured in the nontripped state 1 hour post reflow.

## Solder Reflow Recommendations



#### **Solder Pad Layouts**

Part number –	Α	В	С
	(mm)	(mm)	(mm)
LP-SM150	4.6	2.3	10.7

\* Recommended reflow methods: IR, Vapor phase oven, hot air oven, wave solder.

\* Devices can be cleaned using standard industry methods and solvents.

#### Notes:

If reflow temperatures exceed the recommended profile, devices may not meet the performance requirements.

## **Package Information**

Tape & Reel: 2000pcs per reel.

