

**Polymer  
PTC Devices**

Surface mount fuses

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**LP-SM125**

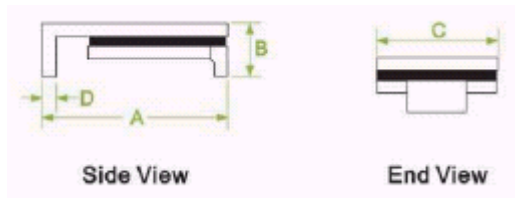
**Features**

- Small size of 1812
- Fast tripping resettable circuit protection
- Surface mount packaging for automated assembly
- Agency Recognition: UL、CSA、TUV

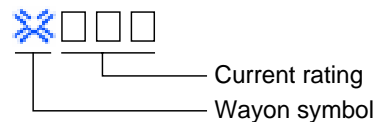


**Product Dimensions (mm)**

Part number	A Max	B Max	C Max	D Max
LP-SM125	7.98	3.00	5.00	0.70



**Part Marking System**

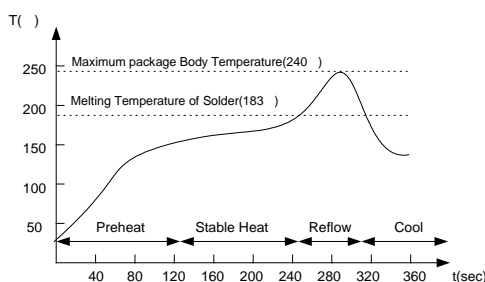
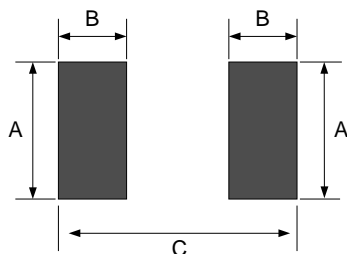


**Electrical Characteristics**

Part number	$I_H$ (A)	$I_T$ (A)	$V_{max}$ (V)	$I_{max}$ (A)	$T_{trip}$ Current(A) Time(S)	$Pd_{typ}$ (W)	$R_{min}$ ( )	$R_{1max}$ ( )
LP-SM125	1.25	2.50	15	40	8.0 2.0	1.6	0.070	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.  
 $V_{max}$ =Maximum voltage device can withstand without damage at rated current.  
 $I_{max}$ =Maximum fault current device can withstand without damage at rated voltage.  
 $T_{trip}$ =Maximum time to trip(s) at assigned current.  
 $Pd_{typ}$ =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.  
 $R_{1max}$ =Maximum device resistance measured in the nontripped state 1 hour post reflow.

**Solder Reflow Recommendations**



**Solder Pad Layouts**

Part number	A (mm)	B (mm)	C (mm)
LP-SM125	3.1	2.3	9.7

\* 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.