

**Polymer
 PTC Devices**



LP-MSM010

Surface mount fuses [Http://www.szlangtuo.com](http://www.szlangtuo.com)

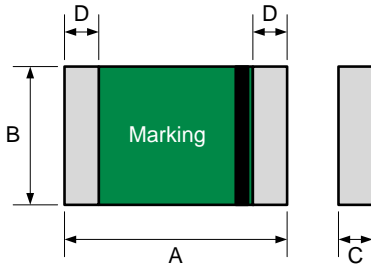
Features

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

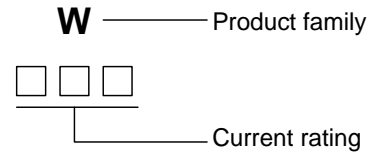


Product Dimensions (mm)

Part number	A Max.	B Max.	C Max.	D Max.
LP-MSM010	4.73	3.41	0.81	0.60



Part Marking System

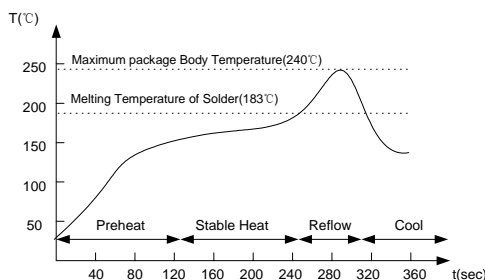
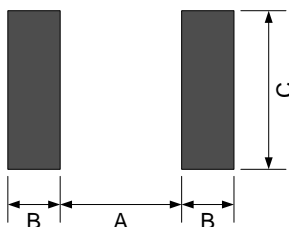


Electrical Characteristics

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} (Ω)	R _{1max} (Ω)
LP-MSM010	0.10	0.20	60	10	1.5 0.15	1.0	0.70	6.00

I_H=Hold current: maximum current at which the device will not trip at 25°C still air.
 I_T=Trip current: minimum current at which the device will always trip at 25°C 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°C 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-MSM010	3.45	1.78	3.15

* 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.