

**Polymer  
PTC Devices**

Surface mount fuses

Shanghai Wayon Thermo/Electro Materials Co.,Ltd.  
4th Floor, No.201, New Jinqiao Road, Shanghai 201206,China  
Tel: 86-21- 50320161 58995165 Fax: 86-21-50320266  
E-mail: [market@way-on.com](mailto:market@way-on.com) [Http://www.way-on.com](http://www.way-on.com)



**LP-MSM075**

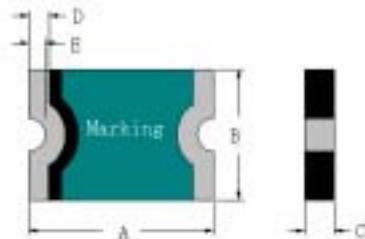
**Features**

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

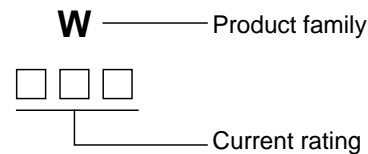


**Product Dimensions (mm)**

Part number	A	B	C	D	E
	Max.	Max.	Max.	Max.	Min.
LP-MSM075	4.73	3.41	0.61	0.60	0.30



**Part Marking System**

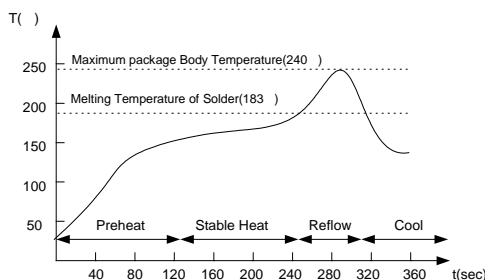
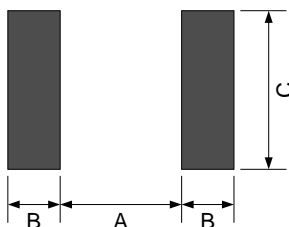


**Electrical Characteristics**

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-MSM075	0.75	1.50	13.2	40	8.0 0.20	1.0	0.10	0.48

$I_H$ =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-MSM075	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.