

# POLYMER PTC RESETTABLE FUSE

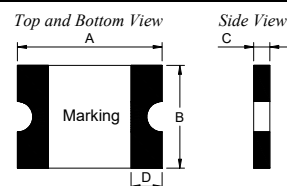


Part Number: TLC-MSMD260/16

## 1、Physical Dimensions(size of 1812)

Part Number	A		B		C		D	Marking
	Min	Max	Min	Max	Min	Max	Min	
TLC-MSMD260/16	4.37	4.73	3.07	3.41	<b>0.90</b>	<b>1.30</b>	0.30	T260

Unit:mm



## 2、Electrical Characteristics

Part Number	$I_H$ (A)	$I_T$ (A)	$V_{max}$ (V)	$I_{max}$ (A)	$T_{trip}$ (Max time to trip)		$P_{d\ typ}$ (W)	$R_{min}$ ( $\Omega$ )	$R1_{max}$ ( $\Omega$ )
					Current(A)	Time(S)			
TLC-MSMD260/16	2.60	5.20	16	100	8.0	5.00	1.2	0.015	0.080

$I_H$ : Holding Current: maximum current at which the device will not trip in 25°C still air.

$I_T$ : Tripping Current minimum current at which the device will trip in 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.

$P_{d\ typ}$ : Rated working power.

$R_{min}$ : Minimum resistance of device prior to trip at 25°C.

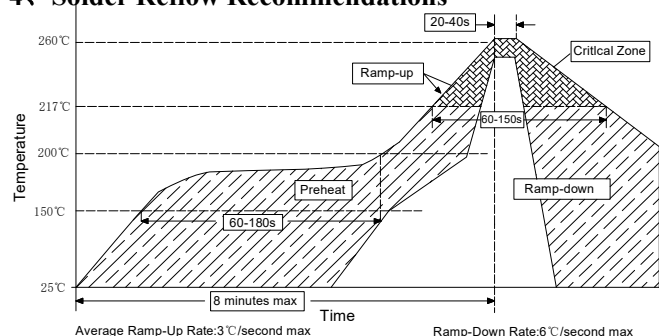
$R1_{max}$ : Maximum resistance of device is measured one hours post reflow at 25°C.

Noted: All electrical function test is conducted after PCB mounted.

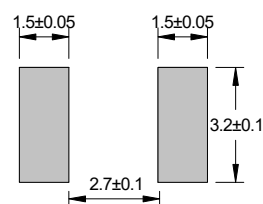
## 3、Thermal Derating

TLC-MSMD260/16	Maximum ambient operating temperature								
	-40°C	-20°C	0°C	25°C	40°C	50°C	60°C	70°C	85°C
Hold Current(A)	4.00	3.52	3.06	2.60	2.34	2.08	1.95	1.39	1.04
Trip Current(A)	8.00	7.04	6.12	5.20	4.68	4.16	3.90	2.78	2.08

## 4、Solder Reflow Recommendations



Recommended Pad Layout(mm)



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

## 5、Package Information

Packing quantity: 1500PCS/Reel

Note: Reel packaging per EIA-481-1 standard

## 6、Agency Recognition: UL、CSA、TUV



Caution: Operation beyond the rated voltage or current may result in rupture electrical arcing or flame. Specifications are subject to change without notice.

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