

POLYMER PTC RESETTABLE FUSE

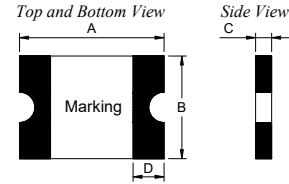


Part Number: TLC-MSMD050/60

1、Physical Dimensions(size of 1812)

Unit:mm

Part Number	A		B		C		D	Marking
	Min	Max	Min	Max	Min	Max	Min	
TLC-MSMD050/60	4.37	4.73	3.07	3.41	1.10	1.50	0.30	T050



2、Electrical Characteristics

Part Number	I _H (A)	I _T (A)	V _{max} (V)	I _{max} (A)	T _{trip} (Max time to trip)		Pd _{typ} (W)	R _{min} (Ω)	R1 _{max} (Ω)
					Current(A)	Time(S)			
TLC-MSMD050/60	0.50	1.00	60	100	8.0	0.15	0.8	0.15	1.00

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.

Pd_{typ}: Rated working power.

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

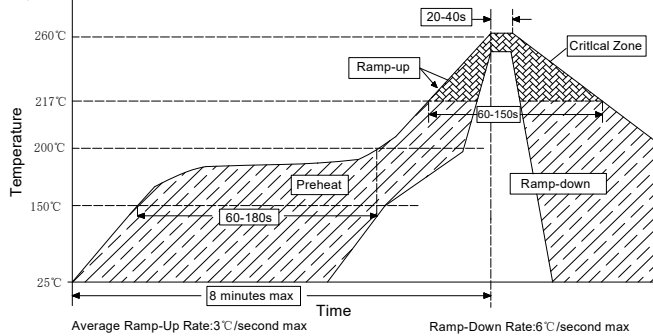
R1_{max}: Maximum resistance of device is measured one hours post reflow at 25°C.

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

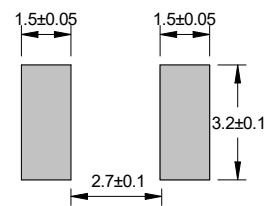
3、Thermal Derating

TLC-MSMD050/60	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)	0.77	0.68	0.59	0.50	0.44	0.40	0.37	0.33	0.29
Trip Current(A)	1.54	1.36	1.18	1.00	0.88	0.80	0.74	0.66	0.58

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: 1000PCS/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.

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Resettable Fuses - PPTC category](#):

Click to view products by [TLC manufacturer](#):

Other Similar products are found below :

[RF0077-000](#) [RF0627-000](#) [RF3301-000](#) [RF3382-000](#) [SMD125-2](#) [RF1973-000](#) [RF2531-000](#) [RF2873-000](#) [RF3060-000](#) [TR600-150Q-B-0.5-0.130](#) [RXE090](#) [5E4795/04-1502](#) [TRF250-080T-B-1.0-0.125](#) [SMD100-2](#) [NIS5431MT1TXG](#) [SMD250-2](#) [RS30-090](#) [RS30-600](#) [RS30-800](#) [RS30-900](#) [RS60RB-160](#) [RS60SB-250](#) [SB250-145](#) [OZCH0110AF2E](#) [0603L001/60YR](#) [0603L003/36YR](#) [BK250-120-SZ-E0.6](#) [BK60-010-DI-E0.5](#) [BK250-040-DY-E0.6](#) [RF2631-000](#) [NIS5420MT2TXG](#) [NIS5420MT3TXG](#) [NIS6420MT1TWG](#) [RF5032-000](#) [RF5051-000](#) [RF5034-000](#) [RF5105-000](#) [RF5062-000](#) [RF5055-000](#) [RF5052-000](#) [2920L075/72MR](#) [BSMD0603-025-24V](#) [BSMD0402L-005](#) [BSMD0603-010-9V](#) [BSMD1812-020-60V](#) [BSMD2920-400-30V](#) [BSMD0603-010-12V](#) [BSMD0805-035-30V](#) [BSMD1210-150-16V](#) [BSMD0805-003-60V](#)