

POLYMER PTC RESETTABLE FUSE

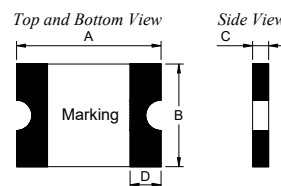


Part Number: TLC-MSMD020/60

1、Physical Dimensions(size of 1812)

Unit:mm

Part Number	A		B		C		D	Marking
	Min	Max	Min	Max	Min	Max	Min	
TLC-MSMD020/60	4.37	4.73	3.07	3.41	0.80	1.20	0.30	T020



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} (Ω)	$R1_{max}$ (Ω)
					Current(A)	Time(S)			
TLC-MSMD020/60	0.20	0.40	60	10	1.5	0.15	0.8	0.40	6.00

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.

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

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

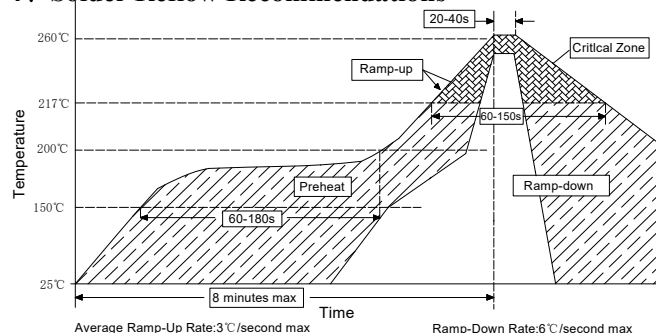
$R1_{max}$: Maximum resistance of device is measured one hours post reflow at 25°C.

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

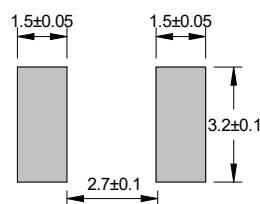
3、Thermal Derating

TLC-MSMD020/60	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)	0.29	0.26	0.23	0.20	0.17	0.15	0.14	0.12	0.10
Trip Current(A)	0.58	0.52	0.46	0.40	0.34	0.30	0.28	0.24	0.20

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: CSA、UL、TUV



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

TEL: 86-0769-3892 0554

FAX: 86-0769-8793 2077

E-mail: sales@tlcet.com.cn

Address: No.18, 5th GaoLi Road, TangXia Town, DongGuan, GuangDong, P.R China 523710