POLYMER PTC RESETTABLE FUSE

TLC Electronic 竞沃电子®
电路保护元器件专业制造商
Web: http://www.tlcet.com.cn

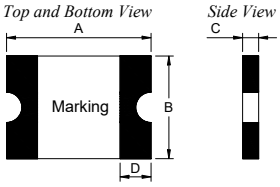
Product: Resettable Fuse
Revision: D
Date: 2021-06-28

Part Number:TLC-LSMD400

1、Physical Dimensions(size of 2920)

Unit:mm

Part Number	A		B		C		D	Marking
	Min	Max	Min	Max	Min	Max	Min	
TLC-LSMD400	6.73	7.98	4.80	5.44	**1.10**	**1.50**	0.30	T400



2、Electrical Characteristics

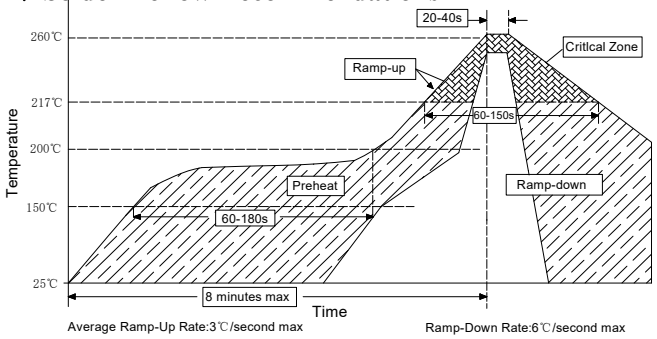
Part Number	I_H (A)	I_T		V_{max} (V)	I_{max} (A)	T_{trip} (Max time to trip)		Pd_{typ} （W）	R_{min} (Ω)	$R1_{max}$ (Ω)
		Current(A)	Time (S)			Current(A)	Time(S)			
TLC-LSMD400	4.00	8.00	50.0	16	40	20.0	5.0	1.5	0.007	0.035

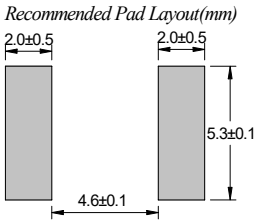
I_H: Holding Current: maximum current at which the device will not trip in 25℃ still air.
I_T: Tripping Current minimum current at which the device will trip in 25℃ still air.
V_{max}: Maximum voltage device can withstand without damage at rated current.
I_{max}: Maximum fault current device can withstand without damage at rated voltage.
T_{trip}: Maximum time to trip(s) at assigned current.
Pd_{typ}: Rated working power.
R_{min}: Minimum resistance of device prior to trip at 25℃.
$R1_{max}$: Maximum resistance of device is measured one hours post reflow at 25℃.
Noted: All electrical function test is conducted after PCB mounted.

3、Thermal Derating

TLC-LSMD400	Maximum ambient operating temperature								
	-40℃	-20℃	0℃	25℃	40℃	50℃	60℃	70℃	85℃
Hold Current(A)	6.04	5.36	4.68	4.00	3.60	3.40	3.08	2.80	2.60
Trip Current(A)	12.08	10.72	9.36	8.00	7.20	6.80	6.16	5.60	5.20

4、Solder Reflow Recommendations





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-481-2 standard

6、Agency Recognition：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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