

POLYMER PTC RESETTABLE FUSE

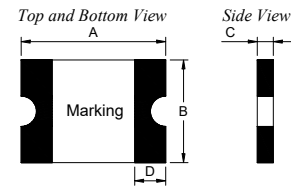


Part Number: TLC-LSMD300D/16

1、Physical Dimensions(size of 2920)

Unit:mm

| Part Number | A | | B | | C | | D | Marking |
|-----------------|------|------|------|------|-------------|-------------|------|---------|
| | Min | Max | Min | Max | Min | Max | Min | |
| TLC-LSMD300D/16 | 6.73 | 7.98 | 4.80 | 5.44 | 1.10 | 1.50 | 0.30 | T300 |



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-LSMD300D/16 | 3.00 | 6.00 | 16 | 40 | 8.0 | 20 | 1.5 | 0.010 | 0.055 |

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.

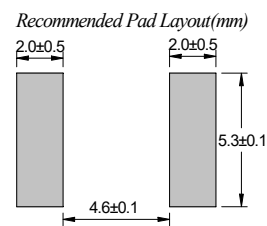
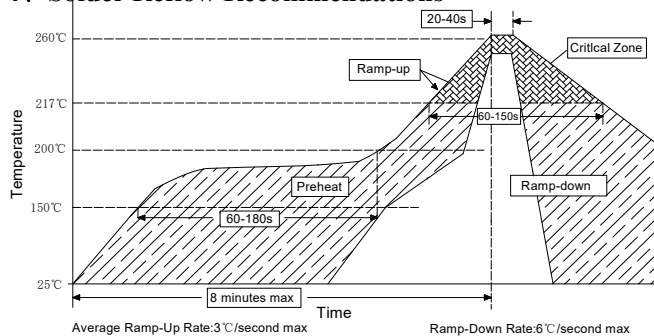
R1_{max}: Maximum resistance of device is measured one hours post reflow at 25°C.

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

3、Thermal Derating

| TLC-LSMD300D/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) | 4.53 | 4.02 | 3.51 | 3.00 | 2.52 | 2.26 | 1.99 | 1.75 | 1.34 |
| Trip Current(A) | 9.06 | 8.04 | 7.02 | 6.00 | 5.04 | 4.52 | 3.98 | 3.50 | 2.68 |

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-481-1 standard

6、Agency Recognition:



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