

# POLYMER PTC RESETTABLE FUSE

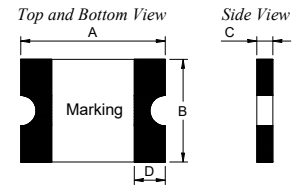


Part Number: TLC-LSMD075/60

## 1、Physical Dimensions(size of 2920)

Unit:mm

| Part Number    | A    |      | B    |      | C    |      | D    | Marking |
|----------------|------|------|------|------|------|------|------|---------|
|                | Min  | Max  | Min  | Max  | Min  | Max  | Min  |         |
| TLC-LSMD075/60 | 6.73 | 7.98 | 4.80 | 5.44 | 1.00 | 1.50 | 0.30 | T075    |



## 2、Electrical Characteristics

| Part Number    | I <sub>H</sub><br>(A) | I <sub>T</sub><br>(A) | V <sub>max</sub><br>(V) | I <sub>max</sub><br>(A) | T <sub>trip</sub><br>(Max time to trip) |         | Pd <sub>typ</sub><br>(W) | R <sub>min</sub><br>(Ω) | R1 <sub>max</sub><br>(Ω) |
|----------------|-----------------------|-----------------------|-------------------------|-------------------------|---|---------|--------------------------|-------------------------|--------------------------|
|                |                       |                       |                         |                         | Current(A)                              | Time(S) |                          |                         |                          |
| TLC-LSMD075/60 | 0.75                  | 1.50                  | 60                      | 40                      | 8.0                                     | 0.30    | 1.5                      | 0.100                   | 1.000                    |

I<sub>H</sub>: Holding Current: maximum current at which the device will not trip in 25°C still air.

I<sub>T</sub>: Tripping Current minimum current at which the device will trip in 25°C still air.

V<sub>max</sub>: Maximum voltage device can withstand without damage at rated current.

I<sub>max</sub>: Maximum fault current device can withstand without damage at rated voltage.

T<sub>trip</sub>: Maximum time to trip(s) at assigned current.

Pd<sub>typ</sub>: Rated working power.

R<sub>min</sub>: Minimum resistance of device prior to trip at 25°C.

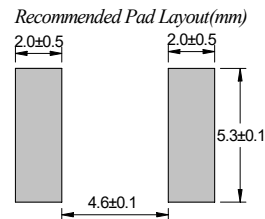
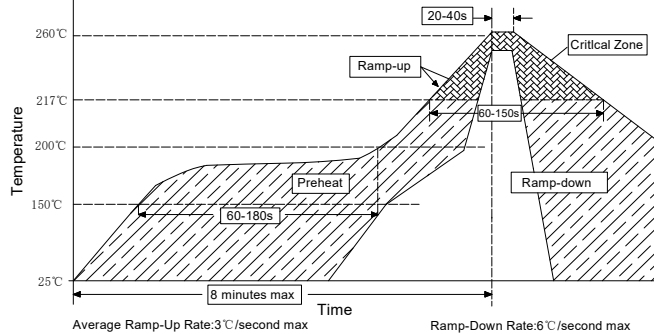
R1<sub>max</sub>: Maximum resistance of device is measured one hours post reflow at 25°C.

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

## 3、Thermal Derating

| TLC-LSMD075/60  | 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) | 1.13                                  | 1.01  | 0.88 | 0.75 | 0.62 | 0.56 | 0.50 | 0.44 | 0.34 |
| Trip Current(A) | 2.26                                  | 2.02  | 1.76 | 1.50 | 1.24 | 1.12 | 1.00 | 0.88 | 0.68 |

## 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-481-2 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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