

## 2920L400/40GRW

Surface Mount PPTC Devices

### Features

- Size 0.29\*0.20 inch / 7.5\*5.5 mm
- Surface mount resettable fuse
- Fast time-to-trip
- Low resistance
- RoHS compliant, lead-free and halogen-free
- Compatible with high temperature solders

### Electrical Characteristics (25°C)/电性参数

| Part Number    | Marking | I <sub>hold</sub><br>(A) | I <sub>trip</sub><br>(A) | V <sub>max</sub><br>(Vdc) | I <sub>max</sub><br>(A) | P <sub>d</sub><br>typ.<br>(W) | Time to Trip (Max.) |               | Resistance              |                          |
|----------------|---------|--------------------------|--------------------------|---------------------------|-------------------------|-------------------------------|---------------------|---------------|-------------------------|--------------------------|
|                |         |                          |                          |                           |                         |                               | Current<br>(A)      | Time<br>(Sec) | R <sub>min</sub><br>(Ω) | R <sub>1max</sub><br>(Ω) |
| 2920L400/40GRW | B400    | 4.00                     | 8.00                     | 40                        | 40                      | 2.5                           | 20.0                | 4             | 0.008                   | 0.040                    |

I<sub>hold</sub> = Hold current: maximum current device will pass without tripping in 25°C still air. 保持电流=在 25°C 静止空气中,元件不动作的最大电流。

I<sub>trip</sub> = Trip current: minimum current at which the device will trip in 25°C still air. 动作电流=在 25°C 静止空气中,元件的最小动作电流。

V<sub>max</sub> = Maximum voltage device can withstand without damage at rated current (I<sub>max</sub>). 最大电压=元件在额定电流下能承受的最大电压。

I<sub>max</sub> = Maximum fault current device can withstand without damage at rated voltage (V<sub>max</sub>). 最大电流=元件在额定电压下能承受的最大电流。

P<sub>d</sub> typ. = Typical power dissipated from device when in the tripped state at 25°C still air. 动作功率=在 25°C 静止空气中,元件动作状态下的消耗功率。

T<sub>trip</sub> = Maximum time to trip(s) at assigned current reflow soldering of 260°C for 20 sec. 动作时间=5 倍保持电流下的最大动作时间。

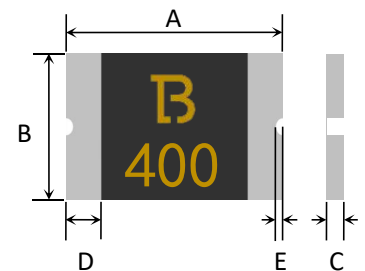
R<sub>min</sub> = Minimum resistance of device in initial (un-soldered) state. 初始最小电阻=元件焊接前的初始最小阻值。

R<sub>1max</sub> = Maximum resistance of device at 25°C measured one hour after tripping or reflow soldering of 260°C for 20 sec. 焊后最大电阻=元件焊接 1 小时后的最大阻值。

**Caution** : Operation beyond the specified rating may result in damage and possible arcing and flame. 注意: 超出指定额定值的操作, 可能会导致损伤并可能产生电弧和火焰。

### Product Dimensions(mm)/产品尺寸

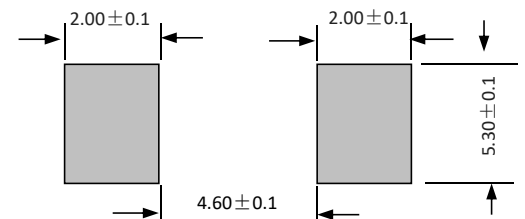
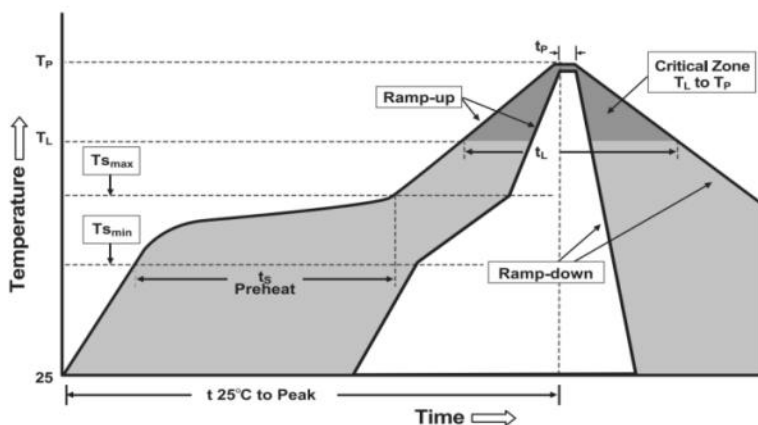
| Part Number    | Quantity | A    |      | B    |      | C    |      | D    | E    |
|----------------|----------|------|------|------|------|------|------|------|------|
|                |          | Min  | Max  | Min  | Max  | Min  | Max  | Min  | Min  |
| 2920L400/40GRW | 1500     | 6.73 | 7.98 | 4.80 | 5.44 | 0.40 | 1.60 | 0.30 | 0.20 |



### Temperature Derating/不同环境温度下的 I<sub>hold</sub> 值

| Part Number    | Ambient operating temperature hold current (I <sub>hold</sub> ) |       |      |      |      |      |      |      |      |
|----------------|-----------------------------------------------------------------|-------|------|------|------|------|------|------|------|
|                | -40°C                                                           | -20°C | 0°C  | 25°C | 40°C | 50°C | 60°C | 70°C | 85°C |
| 2920L400/40GRW | 6.04                                                            | 5.36  | 4.68 | 4.00 | 3.36 | 3.01 | 2.65 | 2.33 | 1.79 |

### Solder Reflow Recommendations/回流焊建议



Recommended Pad Layout (mm)

建议焊盘布局 (mm)

### Part Number System/产品编号

**2920 L 400 / 40 G R W**

Tape & Reel/卷盘包装

Quantity Code/包装数量

Special Voltage Rating/最大电压

Holding Current Rating/保持电流

LUTE/陆特品牌

Dimension Code/封装尺寸

### Agency Approvals/认证



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Specifications are subject to change without notice

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