

Features

- Size 0.06*0.03 inch /1.5*0.8 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 _{hold} (A) | I _{trip} (A) | V _{max} (Vdc) | I _{max} (A) | P _{d typ.} (W) | Time to Trip (Max.) | | Resistance | |
|---------------|---------|-----------------------|-----------------------|------------------------|----------------------|-------------------------|---------------------|------------|----------------------|-----------------------|
| | | | | | | | Current (A) | Time (Sec) | R _{min} (Ω) | R _{1max} (Ω) |
| 0603L035/6XRL | 3 | 0.35 | 0.75 | 6 | 40 | 0.5 | 8.00 | 0.10 | 0.20 | 1.40 |

I_{hold} = Hold current: maximum current device will pass without tripping in 25°C still air. 保持电流=在 25°C 静止空气环境中,元件不动作的最大电流。

I_{trip} = Trip current: minimum current at which the device will trip in 25°C still air. 动作电流=在 25°C 静止空气环境中,元件的最小动作电流。

V_{max} = Maximum voltage device can withstand without damage at rated current (I_{max}). 最大电压=元件在额定电流下能承受的最大电压。

I_{max} = Maximum fault current device can withstand without damage at rated voltage (V_{max}). 最大电流=元件在额定电压下能承受的最大电流。

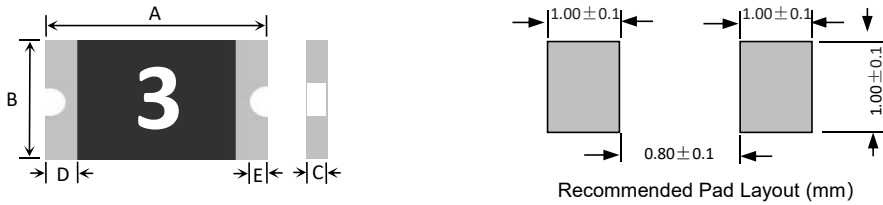
P_{d typ.} = Typical power dissipated from device when in the tripped state at 25°C still air. 动作功率=在 25°C 静止空气环境中,元件动作状态下的消耗功率。

T_{trip} = 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_{min} = 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_{1max} = 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。

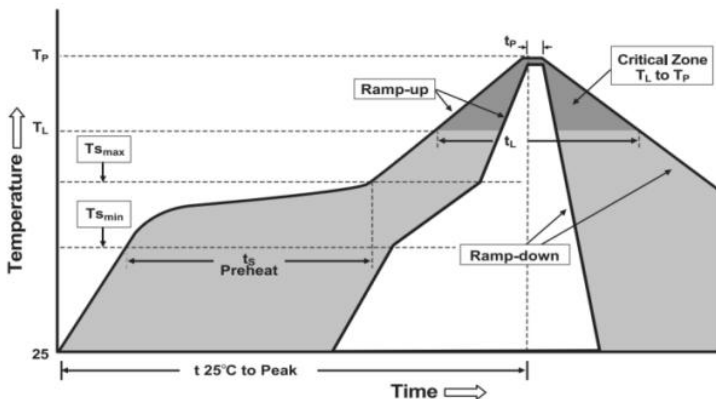
Caution : Operation beyond the specified rating may result in damage and possible arcing and flame. 注意: 超出指定额定值的操作, 可能会导致损伤并可能产生电弧和火焰。

Product Dimensions(mm)/产品尺寸


| Part Number | Quantity | A | | B | | C | | D | E |
|---------------|----------|------|------|------|------|------|------|------|------|
| | | Min | Max | Min | Max | Min | Max | Min | Min |
| 0603L035/6XRL | 5000 | 1.45 | 1.85 | 0.65 | 1.05 | 0.40 | 1.00 | 0.15 | 0.10 |

Temperature Derating/不同环境温度下的 I_{hold} 值

| Part Number | Ambient operating temperature hold current (I _{hold}) | | | | | | | | |
|---------------|---|-------|------|------|------|------|------|------|------|
| | -40°C | -20°C | 0°C | 25°C | 40°C | 50°C | 60°C | 70°C | 85°C |
| 0603L035/6XRL | 0.47 | 0.41 | 0.38 | 0.35 | 0.29 | 0.26 | 0.24 | 0.20 | 0.14 |

Solder Reflow Recommendations/回流焊建议

Agency Approvals/认证


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