

0402L003/30SRW

Surface Mount PPTC Devices

Features

- Size 0.04*0.02 inch /1.0*0.5 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_{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)
0402L003/30SRW		0.03	0.12	30	40	0.5	1.00	3.00	1.10	50.00

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。

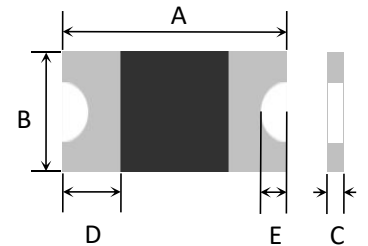
R_{min} = Minimum resistance of device in initial (un-soldered) state. 初始最小电阻=元件焊接前的初始最小阻值。

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

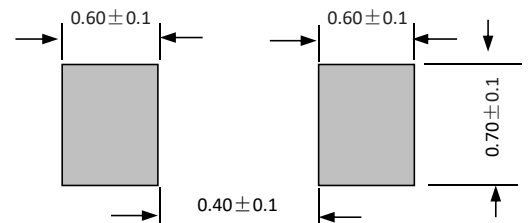
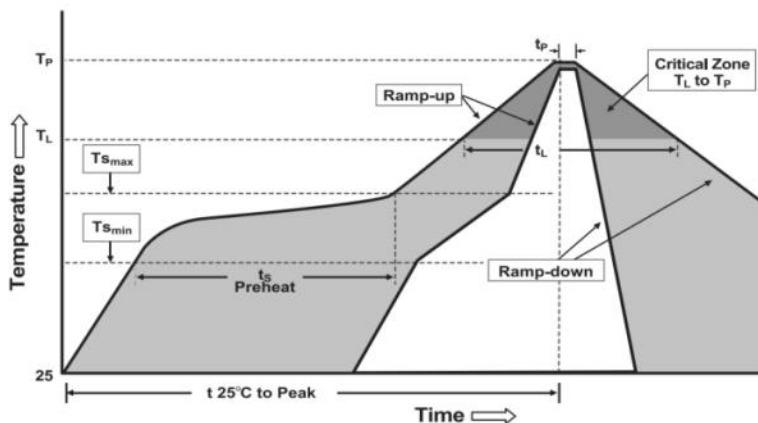
Part Number	Quantity	A		B		C		D	E
		Min	Max	Min	Max	Min	Max	Min	Min
0402L003/30SRW	10000	0.85	1.15	0.35	1.00	0.40	0.80	0.10	-



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
0402L003/30SRW	0.042	0.037	0.03	0.034	0.025	0.019	0.015	0.012	0.001

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

0402 L 003 / 30 S 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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