LUTETECH 陆特科技

2920L300/48GRW

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

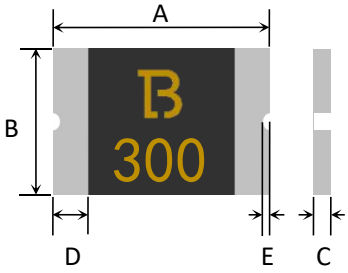
Electrical Characteristics (25℃)/电性参数

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)
2920L300/48GRW	B300	3.00	5.00	48	40	2.0	8.00	20	0.012	0.048

I_{hold} = Hold current: maximum current device will pass without tripping in 25℃ still air. 保持电流=在 25℃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℃ still air. 动作电流=在 25℃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℃ still air. 动作功率=在 25℃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℃ 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℃ measured one hour after tripping or reflow soldering of 260℃ 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

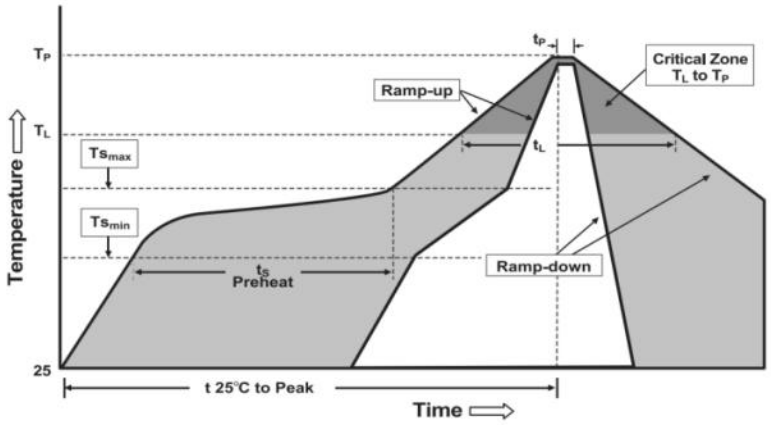
Part Number	Quantity	A		B		C		D	E
		Min	Max	Min	Max	Min	Max	Min	Min
2920L300/48GRW	1500	6.73	7.98	4.80	5.44	0.40	1.60	0.30	0.20

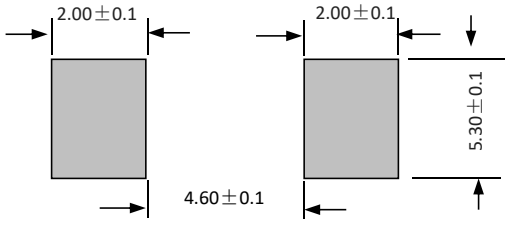


Temperature Derating/不同环境温度下的 I_{hold} 值

Part Number	Ambient operating temperature hold current (I_{hold})								
	-40℃	-20℃	0℃	25℃	40℃	50℃	60℃	70℃	85℃
2920L300/48GRW	4.53	4.02	3.51	3.00	2.52	2.26	1.99	1.79	1.34

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 300 / 48 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

REACH COMPLIANT
RoHS COMPLIANT
HF Halogen FREE

www.lutefuse.com
Tel:86-755-28704432 Email:sales@sl-fuse.cn

Specifications are subject to change without notice

Revision 2020