
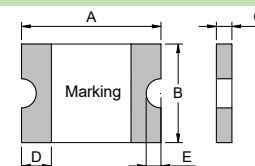


## Model: SMD2920P600TF/24L

### Product Dimensions(mm) (size of 2920)

Model	A		B		C		D		E	Marking
	Min	Max	Min	Max	Min	Max	Min	Max	Min	
SMD2920P600TF/24L	6.73	7.98	4.80	5.44	0.35	0.85	0.30	2.50	0.25	



### Electrical Characteristics

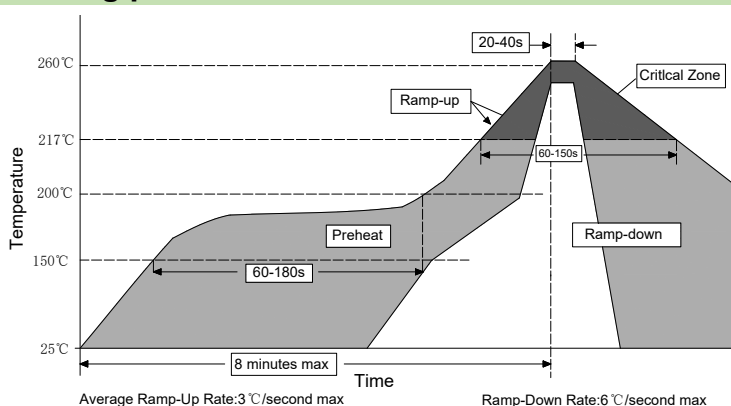
Model	I-hold	I-trip	Vmax	Imax	Pd typ	Max. Time to trip		R0 min	R1max
						Current	Time		
						(A)	(Sec.)		
SMD2920P600TF/24L	6.0	12.0	24.0	50.0	1.60	30.0	5.0	0.0015	0.012

### Thermal Derating

Recommended hold current(A) at ambient Temperature(°C)

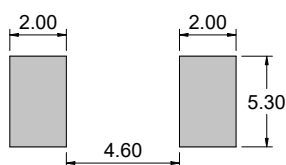
SMD2920P600TF/24L	Maximum ambient operating temperature								
	-40°C	-20°C	0°C	25°C	40°C	50°C	60°C	70°C	85°C
Hold current (A)	8.75	7.95	6.85	6.00	5.25	4.60	4.20	3.65	2.90
Trip current (A)	17.50	15.90	13.70	12.00	10.50	9.20	8.40	7.30	5.80

### Soldering parameters



- ◆ All temperature refer to topside of the package, measured on the package body surface
- ◆ If reflow temperature exceeds the recommended profile, devices may not meet the performance requirements
- ◆ Recommended reflow methods: IR, vapor phase oven, hot air oven, N2 environment for lead
- ◆ Recommended maximum paste thickness is 0.25mm (0.010inch)
- ◆ Devices can be cleaned using standard industry methods and solvents

### Recommended Pad Layout(mm) & Physical Specifications



Terminal Material	Tin-Plated Nickel-Copper (Solder Material: Matte Tin (Sn))
Lead Solderability	Meets EIA Specification RS186-9E, ANSI/J-STD-002 Category 3.

### Package Information

Tape & Reel: 2000pcs/Reel.

Note: Reel packaging per EIA-481-1 standard

**HF RoHS REACH Pb Free**

**Model: SMD2920P600TF/24L**

## APPLICATION NOTICE

1. Operation of these PPTC devices beyond the stated maximum ratings could result in damage to the devices and lead to electrical arcing and/or fire;

PPTC 器件在超过规定的最大值额定值运行可能会导致器件损坏以及导致电弧和/或火灾。

2. These PPTC devices are intended to protect against the effects of temporary over-current or over-temperature conditions and shall not be taken for use as switch.

PPTC 的作用是防止临时的过流或过温造成的不良影响，不能当作开关使用。

3. Exposure to lubricants, silicon-based oils, solvents, gels, electrolytes, acids, and other related or similar materials may adversely affect the performance of PPTC devices.

PPTC 接触润滑剂、硅基油、溶剂、凝胶、电解质、酸和其他相关或类似材料可能会对 PPTC 器件的性能有不利影响。

4. Circuits with inductance may generate a voltage above the rated voltage of the PPTC device and should be thoroughly evaluated within the user's application during the PPTC selection and qualification process.

带有电感的电路可能产生高于 PPTC 额定电压的电压，因此客户在选型和认定过程中应进行彻底的评估。

5. Please do not smash, clamp, pull, dent or twist by tool during assembling process, as they may result in the PPTC damage.

在装配过程中，避免有砸、挤、拉、扭等方式外力作用于 PPTC 本体上，因为它们可能导致 PPTC 损坏。

6. Hand-soldering of PPTC devices on boards is generally not recommended. Users shall define and verify this process if needed.

不推荐使用手工焊接的方式焊接 PPTC。如果需要，用户需要定义和验证此过程。

7. Recommended storage conditions should be followed at all times, The MSL classification of JMT's low resistance PPTC is grade 2.

必须始终遵守推荐的保存条件要求，JMT 低阻 PPTC 的 MSL 等级为 2 级。