



深圳市万瑞和电子有限公司
SHENZHEN WONDHOPE ELECTRIC CO., LTD

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1nd Bldg, Meitai Industrial Zone, Guanguang Road,
Guanlan, Longhua, Shenzhen, China

封装 (package): SMD 0805

型号 (Model): 110

最大电压 (V_{max}): 12V

电话 (Tel): 86-0755-29503668 29503690 29503691

最大电流 (I_{max}): 100A

传真 (Fax): 86-0755-29503998

邮编 (P.C.): 518131

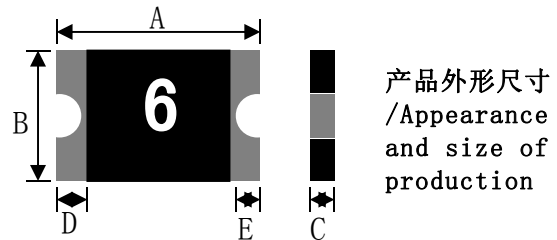
邮箱 (Email): sales@whptc.com

网址 (http://): www.whptc.com

产品规格书 Specification Sheet

产品标识/Marking:

6: 产品型号标识/Part identification

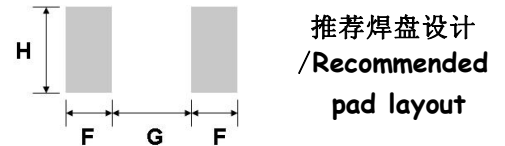


焊点可焊性/Solderability:

符合EIA规定RS186-9E 和 ANSI/J-STD-002
第3类标准/Meets EIA specification
RS186-9E and ANSI/J-STD-002 Category 3

焊点材料/Terminal Pad Materials:

无铅镀锡的镀镍铜箔/Sn-plated nickel-copper, lead-free device.



产品尺寸/Dimensions:

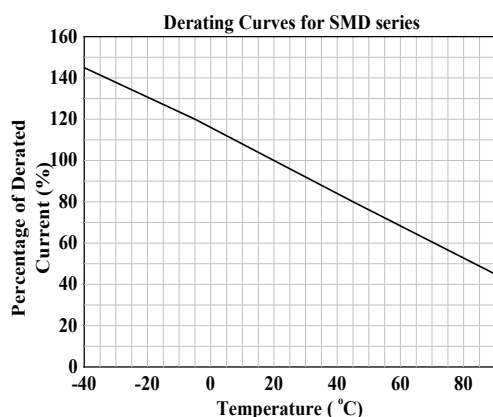
	A		B		C		D	E	F	G	H
UNIT	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MIN			
mm	2	2.3	1.2	1.5	0.8	1.5	0.2	0.1	1	1.2	1.5
inch	0.079	0.091	0.047	0.059	0.031	0.055	0.008	0.004	0.04	0.050	0.060

电气特性/Performance Specification:

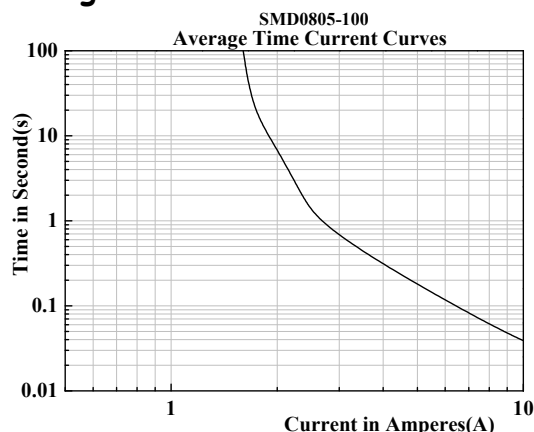
Model	V_{max} (V_{dc})	I_{max} (A)	I_{hold} @25°C (A)	I_{trip} @25°C (A)	P_d Typ. (W)	Maximum Time To Trip		Resistance	
						Current (A)	Time (Sec)	R_{imin} (Ω)	R_{1max} (Ω)
SMD110	12	100	1.10	2.20	0.8	8.0	0.30	0.060	0.210

V_{max} : 产品在规定电流下工作不被破坏的最大电压;
/Maximum voltage, device can withstand without damage at rated current;
 I_{max} : 产品在规定电压下工作不被破坏的最大电流;
/Maximum fault current, device can withstand without damage at rated voltage;
 I_{hold} : 产品在25°C静止空气中30分钟不动作的最大工作电流;
/Hold Current, device will sustain for 30min without tripping in 25°C still air;
 I_{trip} : 产品在25°C静止空气中动作的最小电流;
/Minimum current at which the device will trip in 25°C still air;
 P_d : 产品在25°C静止空气中保护状态中消耗的功率;
/Power dissipated from device when in the tripped state in 25°C still air;
 R_{imin} : 满足功能要求的最小成品电阻值;
/Minimum resistance of device in initial (un-soldered) state;
 R_{1max} : 焊接完1小时, 产品在25°C静止空气中的最大电阻值。
/Maximum resistance of device at 25°C measured one hour post reflow.

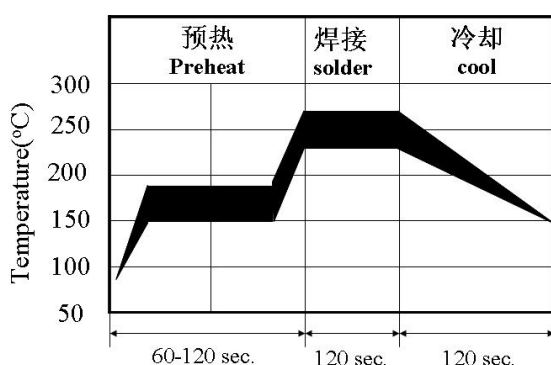
电流折减与环境温度曲线图 /Average Time Current Curve



25°C时动作时间曲线图 /Average Time Current Curve at 25°C



回流焊接条件/Solder reflow conditions



注意：如果回流焊温度超过图表建议最高温度（260°C），元件可能损坏而达不到规范要求。

/Note: If reflow temperatures exceed the recommended profile, devices may not meet the performance requirements.

储存与放置/Storage and Handling

储存条件：低于30 °C，相对湿度小于60%。如果超出储存条件，元件可能达不到规范要求。/Storage conditions: 30°C max, 60% R.H.Devices may not meet specified performance if storage conditions are exceeded.

订购须知/Order Information

6=产品标识 /Part identification, SMD0805=封装尺寸/ Packaging, 110=产品型号 /Model

包装数量3500个/盘 3500pcs/Reel

注意事项/ WARNING:

- 1、超出额定范围或不正确地使用PPTC元件都可能导致产品的损坏，并可能导致电弧和火焰；/Use PPTC exceed by the maximum rating and improper use may result in device damage and possible electrical arcing and flame.
- 2、PPTC元件一般只用于偶然的过流或超温故障时的保护，切勿用于故障频繁发生或预期会发生长时间故障的场合；/PPTC are designed for protection against over current or temperature fault conditions and should not be used when repeated fault conditions or prolonged trip events are anticipated.
- 3、如果不按照建议安装、测试和使用产品，元件性能可能会受到不利影响；/Device performance can be impacted negatively if devices are handled in a manner inconsistent with recommended electronic, thermal, and mechanical procedures for electronic components.
- 4、在电感强度大的电路中使用，可能会产生超过PPTC元件的额定电压的回路电压；/Use PPTC with a large inductance in circuit will generate a circuit voltage above the rated voltage of the PPTC.
- 5、PPTC元件应用时不能长期处于压力下，使其缺乏膨胀空间而影响其性能，如处于高压或安装在受限的狭小空间里。/Avoid impact PPTC device its thermal expansion like placed under pressure or installed in limited space.
- 6、由于上述原因造成的质量问题，我司概不负责。/If any quality problems caused by improper use mentioned above,our company is not responsible.