

1. 产品介绍(Product introduction)

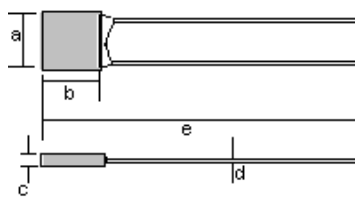
AUPO 温度保险丝是一种不可复位型热敏保护器件，用于家用电器及工业设备的过热保护，当周围温度升高到某不正常温度时，温度保险丝感受外界温度状态，将电路切断。它的全密封结构确保其熔断系统稳定可靠，不受外界潮湿等恶劣环境影响。它的主要特点是：对外界温度感受灵敏；动作温度准确、稳定；体积小，密封式结构；性能可靠，已获多个国际安全标准认证。

The AUPO thermal cutoff is an unresettable thermal protect instrument. It is used in household appliances and industry instrument for thermal protecting. When an ambient temperature of the thermal cutoff rises to an abnormal temperature, the thermal cutoffs tastes the ambient temperature and open the circuit. Its all-sealed structure insures the stability and reliability, and it is not influenced by ambient humidity and so on. Its main features are: extremely sensitive to ambient temperature; precise and stable functioning temperature; compact, epoxy-sealed structure; reliable, approved by various international safety standards.

2. 外观和外形尺寸(Dimensions)

Model No	a	b	c	d	e
A*-1A-F	5.2 ± 0.5	4.0 ± 0.5	2.3 ± 0.2	$\Phi 0.54 \pm 0.05$	70 ± 3
A*-F	6.2 ± 0.5	6.3 ± 0.5	2.5 ± 0.3	$\Phi 0.54 \pm 0.05$	70 ± 3
A*-3A-F	6.2 ± 0.5	6.3 ± 0.5	2.5 ± 0.3	$\Phi 0.6 \pm 0.02$	70 ± 3
A*-5A-F	6.6 ± 0.5	8.0 ± 0.5	2.6 ± 0.3	$\Phi 0.6 \pm 0.02$	70 ± 3

尺寸(mm)



3. 型号及主要技术参数(Technical parameters)

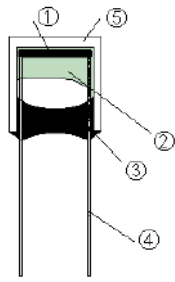
型号 Model No		额定动作温度 Tf(°C)	保持温度 Th(°C)		极限温度 Tm(°C)		额定电流 Ir(A)	额定电压 Ur(Vac)
			UL	VDE	UL	VDE		
A0	A0-3A-F	84	40	55	180	203	3	250
	A0-5A-F		40	55	180	203	5	
A1	A1-1A-F	102	76	79	180	203	1	250
	A1-F		79	79	203	203	2	
	A1-3A-F		63	63	180	203	3	
	A1-5A-F		63	63	180	203	5	
A2	A2-1A-F	115	85	92	180	203	1	250
	A2-F		92	92	203	203	2	
	A2-3A-F		75	75	180	203	3	
	A2-5A-F		75	75	180	203	5	
A3	A3-1A-F	125	97	101	180	203	1	250
	A3-F		101	101	203	203	2	
	A3-3A-F		85	85	180	203	3	
	A3-5A-F		85	85	180	203	5	
A4	A4-1A-F	130	102	107	180	203	1	250
	A4-F		107	107	203	203	2	
	A4-3A-F		90	90	180	203	3	
	A4-5A-F		90	90	180	203	5	
A5	A5-1A-F	135	105	112	180	203	1	250
	A5-F		112	112	203	203	2	
	A5-3A-F		90	90	180	203	3	
	A5-5A-F		90	90	180	203	5	
A7	A7-1A-F	138	108	115	180	203	1	250
	A7-F		115	115	203	203	2	
	A7-3A-F		93	93	180	203	3	
	A7-5A-F		93	93	180	203	5	
A8	A8-1A-F	150	120	126	180	203	1	250
	A8-F		126	126	203	203	2	
	A8-3A-F		105	105	180	203	3	
	A8-5A-F		105	105	180	203	5	

4. 实测动作温度、耐压、绝缘电阻、扭转

(Fusing-off temperature、Withstand voltage、Insulation resistance、Twist)

型号 Model No		额定动作温度 Tf (°C)	实测动作温度 Fusing-off temperature (°C)	耐压(极壳) Withstand voltage (V)	绝缘电阻(极壳) Insulation resistance (MΩ, DC 500V)	扭 转 Twist (次)
A0	A0-3A-F	84	74-84	1500	>2	1
	A0-5A-F					
A1	A1-1A-F	102	92-102			
	A1-F					
	A1-3A-F					
	A1-5A-F					
A2	A2-1A-F	115	105-115			
	A2-F					
	A2-3A-F					
	A2-5A-F					
A3	A3-1A-F	125	115-125			
	A3-F					
	A3-3A-F					
	A3-5A-F					
A4	A4-1A-F	130	120-130			
	A4-F					
	A4-3A-F					
	A4-5A-F					
A5	A5-1A-F	135	125-135			
	A5-F					
	A5-3A-F					
	A5-5A-F					
A7	A7-1A-F	138	128-138			
	A7-F					
	A7-3A-F					
	A7-5A-F					
A8	A8-1A-F	150	140-150			
	A8-F					
	A8-3A-F					
	A8-5A-F					

5. 产品结构说明 (Structural instruction)



- (1): 易熔合金 Thermal alloy
- (2): 特殊树脂 Special resin compound
- (3): 环氧树脂 Epoxy
- (4): 镀锡铜线 Lead wire
- (5): 塑料外壳 Case

6. 参数说明(Parameter specifies)

<p>额定动作温度 Rated functioning temperature (T_f)</p>	<p>温度保险丝按安全标准规定方法测试，改变其导电状态的温度。按基于 IEC60691 的安规标准规定，温度保险丝必须在上述温度+0/-10℃范围内动作。简称 T_f。</p> <p>According to the safety standard temperature fuse, to change its method to measure the temperature of the conductive state. Press IEC60691 safety standards based on the above, temperature fuse must temperature + 0 / - 10 °C scope action . Abbreviation for T_f.</p>
<p>实际动作温度 Fusing-off temperature</p>	<p>温度保险丝在硅油池内以每分钟 0.5 - 1.0℃速率升温，检测电流小于 10mA 条件下所测得的熔断温度。它是温度保险丝的实际动作温度。</p> <p>In the pool of silicone oil temperature fuse per minute 0.5 ~ 1.0 °C temperature, detection rate of 10mA current conditions are less than temperature measurement of fusing. It is the actual action temperature fuse.</p>
<p>保持温度 Holding temperature (T_h)</p>	<p>温度保险丝在通过额定电流时，能保持 168 小时而不会改变其导电状态的最高温度. 用 T_h 表示。</p> <p>Temperature fuse in through the rated current, can maintain 168 hours without changing its conductive state's highest temperature. Abbreviation for T_h.</p>
<p>极限温度 Maximum temperature limit (T_m)</p>	<p>温度保险丝能承受 10 分钟而不会发生重新接通现象的最高温度。简称为 T_m。</p> <p>Temperature fuse can withstand 10 minutes and won't happen to connect the highest temperature phenomenon. Abbreviation for T_m.</p>
<p>额定电流 Rated current (I_r)</p>	<p>温度保险丝所能承载的最大电流。</p> <p>Temperature fuse can carry the maximum current</p>
<p>额定电压 Rated voltage (U_r)</p>	<p>温度保险丝最高工作电压。</p> <p>Temperature fuse highest working voltage.</p>

7. 安全认证编号 (Safe authentication Numbers)

型号 Model No		UL/CUL	VDE	CCC	PSE	KTL
A0	A0-3A-F	E140847	40001155	2009010205372876	JET0749-32001-1005	
	A0-5A-F		40001155	2009010205372876		
A1	A1-1A-F		40005586	2002010205004007	JET0749-32001-1003	SU05017-5003C
	A1-F		40008720	2002010205004008		SU05017-5001B
	A1-3A-F		40001155	2009010205372876		
	A1-5A-F		40001155	2009010205372876		
A2	A2-1A-F		40005586	2002010205004007	JET0749-32001-1003	SU05017-5003C
	A2-F		40008720	2002010205004008		SU05017-5001B
	A2-3A-F		40001155	2009010205372876		
	A2-5A-F		40001155	2009010205372876		
A3	A3-1A-F		40005586	2002010205004007	JET0749-32001-1004	SU05017-5003C
	A3-F		40008720	2002010205004008		SU05017-5001B
	A3-3A-F		40001155	2009010205372876		
	A3-5A-F		40001155	2009010205372876		
A4	A4-1A-F		40005586	2002010205004007	JET0749-32001-1004	SU05017-5003C
	A4-F		40008720	2002010205004008		SU05017-5001B
	A4-3A-F	40001155	2009010205372876			
	A4-5A-F	40001155	2009010205372876			
A5	A5-1A-F	40005586	2002010205004007	JET0749-32001-1004	SU05017-5003C	
	A5-F	40008720	2002010205004008		SU05017-5001B	
	A5-3A-F	40001155	2009010205372876			
	A5-5A-F	40001155	2009010205372876			
A7	A7-1A-F	40005586	2002010205004007	JET0749-32001-1004	SU05017-5003C	
	A7-F	40008720	2002010205004008		SU05017-5001B	
	A7-3A-F	40001155	2009010205372876			
	A7-5A-F	40001155	2009010205372876			
A8	A8-1A-F	40005586	2002010205004007	JET0749-32001-1006	SU05017-5003C	
	A8-F	40008720	2002010205004008		SU05017-5001B	
	A8-3A-F	40001155	2009010205372876			
	A8-5A-F	40001155	2009010205372876			

8. 环保 (Environmental)

(1) 符合 RoHS 环保指令.

Comply with the RoHS environmental directives.

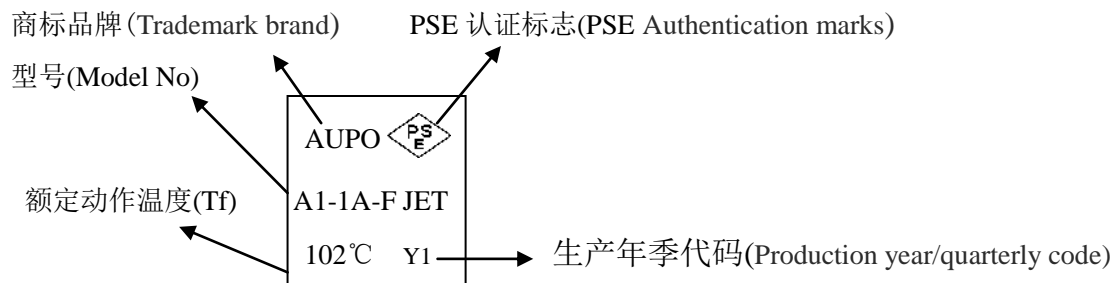
(2) 符合 SONY SS-00259.

Comply with SONY SS - 00259.

(3) 符合 REACH 法规中 SVHC (高关注物质) 物质含量的要求.

Comply with the REACH regulation SVHC (high attention substance) material content requirements.

9. 印刷标志 (Printing marks)



注: (Note)

年的代表方式 Years of representative way	Y、Z、C、D、E..... (除 A、B、P、S、T 外, 按照英文字母顺排) In addition to A, B, P, S, T outside, according to the English letters along the line
	11、12、13、14、15..... (按照 D 等于 1 的等差数列排序顺排) According to the D equals 1 contiguous Numbers along the sorting row
季度的代表方式 Quarterly representative ways	1、2、3、4 代表一年的四季 (represents a year of four seasons)

如: “Y”、“Z” 代表 11 年、12 年。“Y1”、“Y2” 代表 11 年第一、第二季度;
For example: “Y”、“Z” Representative for 11、12 years.

“Y1”、“Y2” Representative 11 years first and second quarter ;

10. 包装 (packaging)

每 100 只产品为一个小包装单位, 每 10 小包产品为一个大包装单位。

A small package includes 100Pcs. A big package includes 10 small packages. One big package contains 1000pcs of thermal cutoffs (10×100pcs)

11. 备注说明 (note)

设计应用或安装温度保险丝之前请阅读我司产品目录上的《温度保险丝安装使用注意事项》
Please study the <Thermal cutoff application instruction> on our products catalog before designing or installing AUPO Thermal cutoffs.