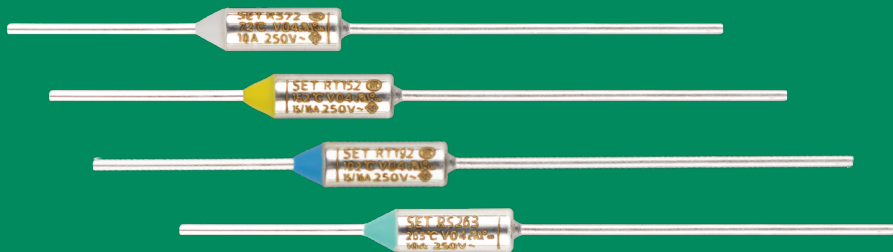


OTCO

温度保险丝 Thermal-link

- 小尺寸 Compact Size
- 金属外壳 Metal Case
- 有机物型热敏颗粒 Organic Thermal Pellet
- 不可复位 Non-Resettable
- 动作温度精度高 High Accuracy of Functioning Temp.
- 低阻抗 Low Resistance



SET
 T_f : (72 to 263) °C
 I_f : 10 A, 15 / 16 A U_f : 250 VAC

供参考 Reference only

SET safe | SET fuse

赛尔特

制造电路控制及安全保护元器件 提供电路安全解决方案
Providing a Total Solution for High Standard Safety Circuit Protection

WHAT

CAN DO FOR YOU

赛尔特设计、制造、销售业界领先的**电路控制及安全保护元器件**、提供**电路安全解决方案**。

2000年成立于中国厦门。产品销往40多个国家和地区，与世界500强的部分企业有深远的合作，首创、独创多个产品；取得CCC、UL、cUL、VDE、TUV、PSE、KC等认证，符合RoHS、REACH，获得IATF16949、ISO9001、ISO14001、ISO45001、GB/T29490管理体系认证，参与多项电路保护元器件的国家、国际标准制定、修订。

赛尔特(SETsafe | SETfuse)产品的主要应用市场：通信、防雷器、电源、新能源、照明、家电、移动设备、医疗。

MISSION

PROVIDING A TOTAL SOLUTION FOR HIGH STANDARD SAFETY CIRCUIT PROTECTION.

SETsafe | SETfuse was established in 2000 in Xiamen, China. We have a presence in more than 40 countries and regions recognising our products. Some of the world's 500 fortune companies are our valuable customers. We have pioneered, innovated & developed several products exclusively. Products are compliance with CCC, UL, cUL, VDE, TUV, PSE, KC, IATF16949, ISO9001, ISO14001, ISO45001, GB/T29490 certificates. We are in one of the core participating teams for revising and setting several national & international standards in the field of Circuit Protection.

SETsafe | SETfuse Key Markets: Telecom, Surge Protector, Power, New Energy, Lighting, Home Appliances, Mobile Devices, Medical.

过温保护

Over Temperature Protection

ATCO

温度保险丝 Thermal-Link

1



DC-ATCO

直流温度保险丝 Thermal-Link

2



OTCO

温度保险丝 Thermal-Link

3



TMS

热保护器 Thermal Protector

4



过电压保护

Over Voltage Protection

TVS Diodes

瞬态电压抑制二极管 Transient Voltage Suppression Diodes

1



GDT

气体放电管 Gas Discharge Tube

2



MOV

压敏电阻 Metal Oxide Varistor

3



TFMOV

热保护型压敏电阻 Thermal Fuse & MOV

4



TFMOV

热保护型压敏电阻 Thermally Protected Varistors

5



过电压保护

Over Voltage Protection

SPD-M

电涌保护模块 Surge Protective Device Module

6



SPD

低压电源系统 Low-voltage Power Systems

7



SPD

光伏供电系统 PV System

8



SPD

室外照明系统 Outdoor Lighting

9



SPD

信号通信系统 Signaling Networks

10



过电流保护

Over Current Protection

Mini Fuses

小型熔断器 Miniature Fuses

1



TRXF

热保护型熔断电阻器 Thermal-Link & Fusing Resistor

2



TPR

热保护型熔断电阻器 Thermally Protected Resistor

3



NTC

抑制浪涌电流NTC热敏电阻器 Inrush Current Limiting NTC Thermistor

4



LV Fuses

低压熔断器 Low Voltage Fuses

5



主动保护

Active Protection

iTCO

受控熔断器 Iode Thermal-Link

1

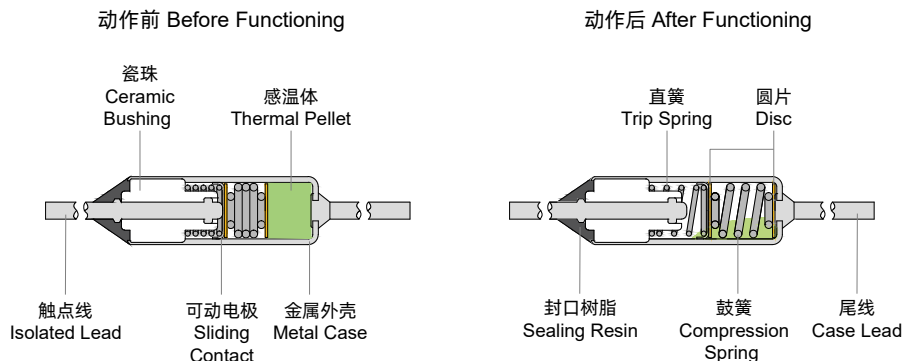


产品简介 Product Description







赛尔特公司 (SETsafe | SETfuse) 的有机型温度保险丝 (OTCO) 是一次性动作不可复位的装置。它主要由金属外壳、弹簧、可动电极和感温体等组成。当有机型感温体感受到异常发热并达到预定的熔断温度时，感温体熔化，可动电极在直簧的作用下与触点线脱离，从而断开电路。赛尔特公司有机型温度保险丝广泛应用于电气设备中起过温保护，产品规格齐全，额定动作温度从 72 °C 到 263 °C，额定电流：10 A, 15 A / 16 A，安规认证包括：UL, CUL, VDE, CCC, KC, PSE, 同时符合 RoHS 和 REACH 环保法规。

SETsafe | SETfuse Organic Thermal-Link (OTCO) is a non-resettable protective device, functioning one time only. It mainly consists of metal case, spring, sliding contact and thermal pellet. When the Thermal-Link senses abnormal heat and temp. reaches the predetermined fusing temp., thermal pellet melts and the sliding contact separates from the isolated lead with the assistance of the trip spring, thereby the circuit is disconnected. SETsafe | SETfuse Organic Thermal-Link (OTCO) is widely used in electrical equipment to provide over temp. protection, it has wide range of operating temp., from 72 °C to 263 °C, rated current includes: 10 A, 15 A / 16 A. With UL, CUL, VDE, CCC, KC, PSE certificates, comply with RoHS and REACH.

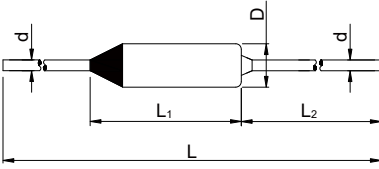
结构图 Structure



安规认证 Agency Information

认证信息 Agency Information	 UL	 cUL	 VDE	 PSE	 KC	 CCC
标准 Standards	UL 60691	CAN-CSA E60691	EN 60691	J60691	KC60691	GB/T 9816
认证号 File No.	E214712	E214712	40052266	JET2121-32001-XXXX (2001-2020)	SU05023-XXXXXX (19001A-19010A)	2020980205000192 (自我声明编号)

RS系列 Series



尺寸 Dimension (mm)

引线长度 Lead Length	L	L ₁	L ₂	D	d
标准引线 Standard	65 ± 3	15 Max.	35 ± 2	Φ 4 ± 0.2	Φ 1 ± 0.1
加长引线 Long	81 ± 3	15 Max.	35 ± 2	Φ 4 ± 0.2	Φ 1 ± 0.1
可选择 Option	可定制 Customization	15 Max.	可定制 Customization	Φ 4 ± 0.2	Φ 1 ± 0.1

型号 Model	额定 动作 温度	实测 熔断 温度 Fusing Temp.	保持 温度	保持 温度	最高 极限 温度	额定 电流	额定 电压	标称 放电 电流	最大 放电 电流	UL [®]	cUL [®]	VDE [△]	PSE [◇]	KC [Ⓚ]	CCC [Ⓞ]	RoHS REACH
	T _r (°C)	T _m (°C)	T _h (°C)	T _h (UL/cUL)	T _m (°C)	I _r (A)	U _i (VAC)	I _n (kA)	I _{max} (kA)							
RS72	72	69±2	42	57	180	10	250	1.5	3	●	●	●	●	N/A	●	●
RS77	77	74±2	50	62	300	10	250	1.5	3	●	●	●	●	N/A	●	●
RS84	84	82±2	54	69	200	10	250	1.5	3	●	●	●	●	●	●	●
RS94	94	89±2	64	79	300	10	250	1.5	3	●	●	●	●	●	●	●
RS99	99	95±2	69	84	200	10	250	1.5	3	●	●	●	●	●	●	●
RS104	104	102±2	74	89	250	10	250	1.5	3	●	●	●	●	●	●	●
RS110	110	108±2	82	95	240	10	250	1.5	3	●	●	●	●	●	●	●
RS117	117	114±2	88	102	200	10	250	1.5	3	●	●	●	●	●	●	●
RS121	121	118±2	93	106	300	10	250	1.5	3	●	●	●	●	●	●	●
RS128	128	124±2	98	113	200	10	250	1.5	3	●	●	●	●	●	●	●
RS134	134	131±2	104	119	250	10	250	1.5	3	●	●	●	●	●	●	●
RS144	144	141±2	114	129	300	10	250	1.5	3	●	●	●	●	●	●	●
RS152	152	149±2	122	137	205	10	250	1.5	3	●	●	●	●	●	●	●
RS167	167	164±2	137	152	220	10	250	1.5	3	●	●	●	●	●	●	●
RS172	172	170±2	143	157	260	10	250	1.5	3	●	●	●	●	●	●	●
RS184	184	181±2	154	169	250	10	250	1.5	3	●	●	●	●	●	●	●
RS192	192	190±2	162	177	300	10	250	1.5	3	●	●	●	●	●	●	●
RS216	216	213±2	186	200	450	10	250	1.5	3	●	●	●	●	●	●	●
RS229	229	227±2	200	200	450	10	250	1.5	3	●	●	●	●	●	●	●
RS240	240	236±2	200	205	450	10	250	1.5	3	●	●	●	●	●	●	●
RS257	257	254±2	200	220	480	10	250	1.5	3	●	●	●	●	●	●	●
RS263	263	261 ⁺² ₋₄	N/A	220	480	10	250	1.5	3	●	●	●	●	●	●	●*

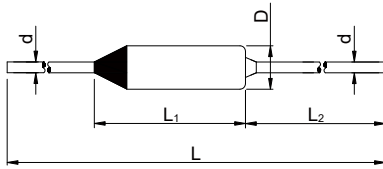
备注:

1. "●" 表示产品已通过认证。"●*" 表示产品认证申请中。
2. T_h 测试, UL / cUL 建议监控产品本体温度, 其它标准建议监控烘箱内环境温度。
3. OTCO RS 系列 T_r ≥ 175 °C 的产品, 符合UL的导热老化试验 (CHAT) 要求。
4. "●*": RS263符合RoHS要求, 但不符合REACH要求。

NOTES:

1. "●" Means OTCO has gained the certification. "●*" Means OTCO hasn't gained the certification.
2. For T_h test, UL / cUL standard recommends the thermocouples to monitor the temp. of OTCO body, while other standards recommend the thermocouples to monitor the environment temp. in the oven.
3. OTCO RS series with a T_r rating 175°C and above comply with UL conductive heat aging (CHAT) requirements.
4. "●*": RS263 comply with RoHS but does not comply with REACH.

RT系列 Series



尺寸 Dimension (mm)

引线长度 Lead Length	L	L ₁	L ₂	D	d
标准引线 Standard	65 ± 3	15 Max.	35 ± 2	Φ 4 ± 0.2	Φ 1 ± 0.1
加长引线 Long	81 ± 3	15 Max.	35 ± 2	Φ 4 ± 0.2	Φ 1 ± 0.1
可选择 Option	可定制 Customization	15 Max.	可定制 Customization	Φ 4 ± 0.2	Φ 1 ± 0.1

型号 Model	额定 动作 温度	实测 熔断 温度 Fusing Temp.	保持 温度	保持 温度	最高 极限 温度	额定 电流	额定 电压	标称 放电 电流	最大 放电 电流	UL [®]	cUL [®]	DVE	PSE	KC	CCC	RoHS REACH
	T _r (°C)	T _m (°C)	T _h (°C)	T _h (UL/cUL)	T _m (°C)	I _n (A)	U _r (VAC)	I _n (kA)	I _{max} (kA)							
RT72	72	69±2	42	57	180	15 / 16	250	1.5	3	●	●	●	●	N/A	●	●
RT77	77	74±2	50	62	300	15 / 16	250	1.5	3	●	●	●	●	N/A	●	●
RT84	84	82±2	54	69	200	15 / 16	250	1.5	3	●	●	●	●	●	●	●
RT94	94	89±2	64	79	300	15 / 16	250	1.5	3	●	●	●	●	●	●	●
RT99	99	95±2	69	84	200	15 / 16	250	1.5	3	●	●	●	●	●	●	●
RT104	104	102±2	74	89	250	15 / 16	250	1.5	3	●	●	●	●	●	●	●
RT110	110	108±2	82	95	240	15 / 16	250	1.5	3	●	●	●	●	●	●	●
RT117	117	114±2	88	102	200	15 / 16	250	1.5	3	●	●	●	●	●	●	●
RT121	121	118±2	93	106	300	15 / 16	250	1.5	3	●	●	●	●	●	●	●
RT128	128	124±2	98	113	200	15 / 16	250	1.5	3	●	●	●	●	●	●	●
RT134	134	131±2	104	119	250	15 / 16	250	1.5	3	●	●	●	●	●	●	●
RT144	144	141±2	114	129	300	15 / 16	250	1.5	3	●	●	●	●	●	●	●
RT152	152	149±2	122	137	205	15 / 16	250	1.5	3	●	●	●	●	●	●	●
RT167	167	164±2	137	152	220	15 / 16	250	1.5	3	●	●	●	●	●	●	●
RT172	172	170±2	143	157	260	15 / 16	250	1.5	3	●	●	●	●	●	●	●
RT184	184	181±2	154	169	250	15 / 16	250	1.5	3	●	●	●	●	●	●	●
RT192	192	190±2	162	177	300	15 / 16	250	1.5	3	●	●	●	●	●	●	●
RT216	216	213±2	186	200	450	15 / 16	250	1.5	3	●	●	●	●	●	●	●
RT229	229	227±2	200	200	450	15 / 16	250	1.5	3	●	●	●	●	●	●	●
RT240	240	236±2	200	205	450	15 / 16	250	1.5	3	●	●	●	●	●	●	●
RT257	257	254±2	200	220	480	15 / 16	250	1.5	3	●	●	●	●	●	●	●
RT263	263	261 ⁺² ₋₄	N/A	220	480	15 / 16	250	1.5	3	●	●	●	●	●	●	●*

备注:

1. "●" 表示产品已通过认证, "●" 表示产品认证申请中。
2. T_h 测试, UL / cUL 建议监控产品本体温度, 其它标准建议监控烤箱内环境温度。
3. OTCO RT 系列 T_r ≥ 175 °C 的产品, 符合UL的导热老化试验 (CHAT) 要求。
4. "●*": RT263符合RoHS要求, 但不符合REACH要求。

NOTES:

1. "●" Means OTCO has gained the certification. "●" Means OTCO hasn't gained the certification.
2. For T_h test, UL / cUL standard recommends the thermocouples to monitor the temp. of OTCO body, while other standards recommend the thermocouples to monitor the environment temp. in the oven.
3. OTCO RT series with a T_r rating 175°C and above comply with UL conductive heat aging (CHAT) requirements.
4. "●*": RT263 comply with RoHS but does not comply with REACH.

应用 Application

小型家用电器 Small Home Appliances	   
大型家用电器 Comfort Home Appliances	  
个人护理电器 Personal Care Appliances	  
商用电器 Commercial Appliances	  
汽车领域 Automobile Field	 

无过温保护
Without Thermal Protection



着火风险
Risk of Fire



有过温保护
With Thermal Protection



安全
Safety



www.SETsafe.com
www.SETfuse.com

20+

OVER 20 YEARS OF DESIGNING, MANUFACTURING
AND SELLING OF CIRCUIT PROTECTION COMPONENTS
超过20年的设计、制造、销售电路保护元器件

40+

SOLD TO MORE THAN 40 COUNTRIES AND REGIONS
40多个国家和地区的客户选择赛尔特品牌

自动化

AUTOMATIC PROCESS PRODUCTION
自动化工序生产

500

A BRAND CHOSEN BY FORTUNE 500 COMPANIES
世界500强企业选择品牌



厦门火炬高新区（翔安）产业区翔安西路8067, 8001号
NO. 8067, 8001 West Xiang'an Road, Torch High-Tech
Industrial District, Xiang'an 361101 Xiamen P.R. China
www.SETsafe.com www.SETfuse.com
+ 86 592-5715-838 sales@SETfuse.com

厦门赛尔特电子有限公司版权所有
All Rights Reserved by Xiamen SET Electronics Co., Ltd.
更新 Update: Jun 2, 2022

SETsafe | *SETfuse*
赛尔特