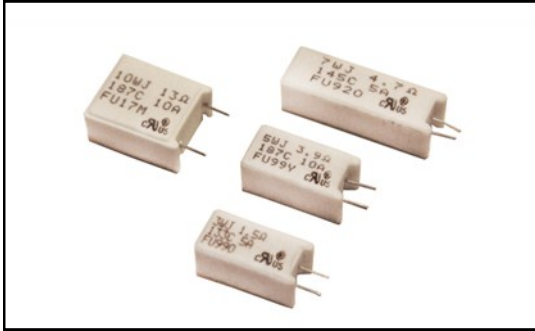


NON-SMOKE THERMAL FUSE RESISTOR

RFT 水泥绕线电阻组合温度保险丝电阻器 NON-SMOKE THERMAL FUSE RESISTOR (RFT Type)



本体颜色：Body color
白色：White
标示：Marking
文字：Alphanumeric

特性 Feature

- ◎ 不燃与绝缘之安全设计
- ◎ Compact type with safety design of Non-flammability and insulation.
- ◎ 可依客户需求制作
- ◎ Can be produced according to customer's request.
- ◎ 产品符合欧盟 RoHS 要求
- ◎ Products meet EU-RoHS.

产品认证 Approvals awarded

- UL 1412 File No.E257690 CUL
UL1412 Recognized : $\leq 145^{\circ}\text{C}$ / 3W、5W、7W、10W /
0.1 Ω ~ 1K Ω

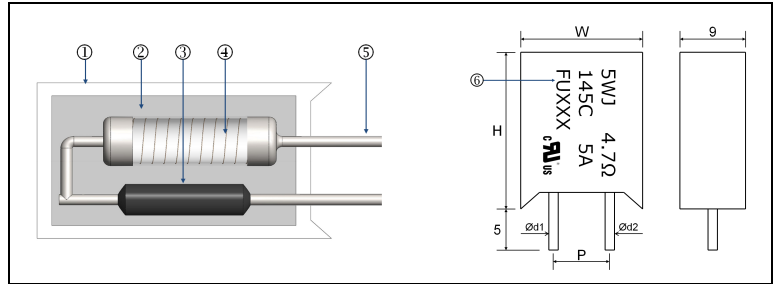
参考规格 Reference standards

- JIS C 5201-1

额定 Ratings

Thermal Fuse			Power Rating (W)				耐电压 Dielectric Withstanding Voltage	温度系数 T.C.R.
Temperature Function Tf	Thermal Fuse Temp.	Voltage Rating	3W	5W	7W	10W、10WS		
65	61 \pm 3	AC 250V	0.3	0.4	0.6	0.7	1000V	$\pm 350\text{ppm}/^{\circ}\text{C}$
76	72 \pm 3		0.5	0.6	0.8	1		
86	81 \pm 2		0.6	0.8	1	1.3		
102	98 \pm 3		0.9	1.1	1.4	1.7		
115	111 \pm 2		1.1	1.4	1.7	2.1		
127	123 \pm 2		1.3	1.7	2	2.5		
133	129 \pm 3		1.5	2	2.4	3		
136	131 \pm 2		1.6	2.1	2.6	3.2		
139	134 \pm 2		1.7	2.2	2.7	3.3		
145	140 \pm 2		1.8	2.3	2.8	3.5		
187	182 \pm 2		1.8	2.3	3.3	4.6		
192	187 \pm 2		1.8	2.3	3.3	4.6		
219	215 \pm 2		1.8	2.3	3.3	4.6		

结构图 Construction



1	瓷壳	Ceramic case	4	电阻器	Resistor
2	硅水泥	Silicon cement	5	端子线	Lead wire
3	温度保险丝	Thermal fuse	6	标示	Marking

外型尺寸 Dimensions

Rated Power (W)	Dimensions (mm)				
	H \pm 1	W \pm 1	P \pm 1	Fuse: ϕ d1	Wire: ϕ d2
2	20	12	5	0.6 \pm 0.1	0.8 \pm 0.1
3	25	12	5	1.0 \pm 0.1	0.8 \pm 0.1
5	25	13.5	5	1.0 \pm 0.1	0.8 \pm 0.1
7	39	13	5	1.0 \pm 0.1	0.8 \pm 0.1
10	25	20	12	0.8 \pm 0.1	0.8 \pm 0.1
10s	35	16	7	1.0 \pm 0.1	0.8 \pm 0.1

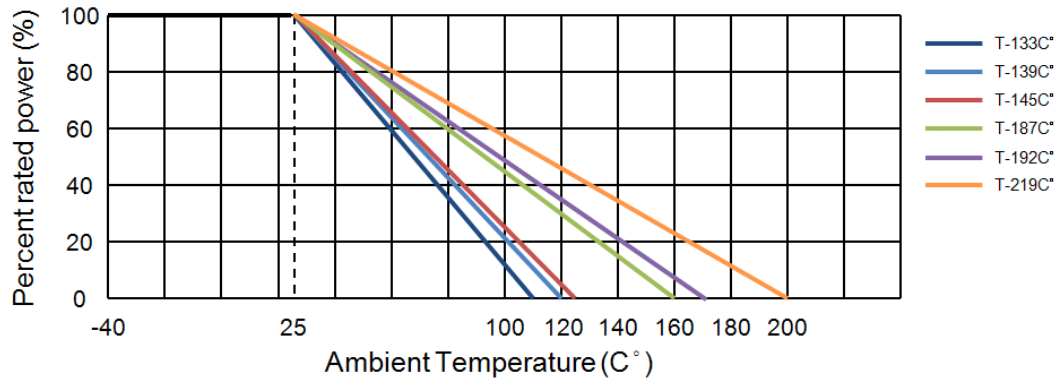
料号编码 Type composition

例 Example

RF	T	03	J	10R0	T133	NH
型名 Type	品名 Size	额定功率 Rated Power	误差值 Tolerance	电阻值(Ω) Resistance	温度 Temperature	端子线 Lead Wire
	温度型 Thermal	03:3W 05:5W 07:7W A0:10W	F \pm 1% G \pm 2% J \pm 5% K \pm 10%	1R00=1 10R0=10 1000=100	T133 : 133 $^{\circ}\text{C}$	热镀线 Heat plated

■ 额定温度下降曲线图 Derating curve

例 Example



性能 Performance

试验项目 Test Items	规格值 Performance Requirements	试验方法 Test Methods
电阻值 Resistance	规定的误差值内 Within specified tolerance	测量点从端盖 10mm Measuring points are 10mm from the end cap
温度系数 T.C.R.	规定值内 Within specified T.C.R.	试验温度 70°C, 30 分钟 70°C (30min)
短时间过负荷 Short time overload	$\pm(2\%+0.05\Omega)$	$\sqrt{4PR}$ 倍额定功率, 5 秒 $\sqrt{4PR}$ times the rated power for 5 seconds
负荷寿命 Load life	$\pm(5\%+0.1\Omega)$	Rated voltage at 70°C for 1,000 hours 1.5hr ON / 0.5hr OFF Cycles
耐湿负荷寿命 Load life in humidity	$\pm(5\%+0.1\Omega)$	10% rate power load 40°C, 95% RH for 1,000 hours; 1.5h ON / 0.5h OFF cycle
耐湿性 Moisture resistance	$\pm(2\%+0.05\Omega)$	40°C, 95% RH, 240 小时 40°C, 95% RH for 240 hours
温度循环 Temperature cycle	$\pm(1\%+0.05\Omega)$	5 cycles for -25°C (30min) : room temp. (30min) ~ +85°C (30min) room temp. (30min)
焊锡耐热 Resistance to soldering heat	$\pm(1\%+0.05\Omega)$	260°C \pm 5°C for 10 seconds (焊锡槽) 350°C \pm 10°C for 3.5 seconds (手焊锡)
绝缘电阻 Insulation resistance	>1,000M Ω	500V 绝缘测试 1 分钟 500V insulation test 1min.