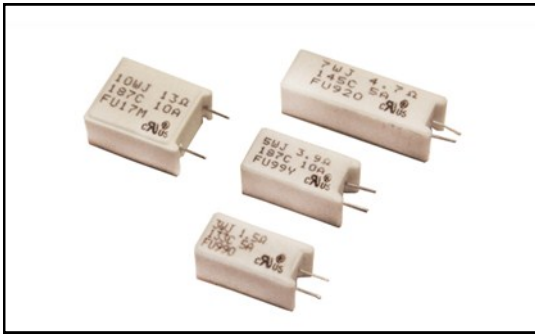


NON-SMOKE THERMAL FUSE RESISTOR

RFT 水泥繞線電阻組合溫度保險絲電阻器 NON-SMOKE THERMAL FUSE RESISTOR (RFT Type)



本體顏色：Body color
白 色：White
標 示：Marking
文 字：Alphanumeric

特性 Feature

- ◎ 不燃與絕緣之安全設計
- ◎ Compact type with safety design of Non-flammability and insulation.
- ◎ 可依客戶需求製作
- ◎ Can be produced according to customer's request.
- ◎ 產品符合歐盟 RoHS 要求
- ◎ Products meet EU-RoHS.

產品認證 Approvals awarded

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

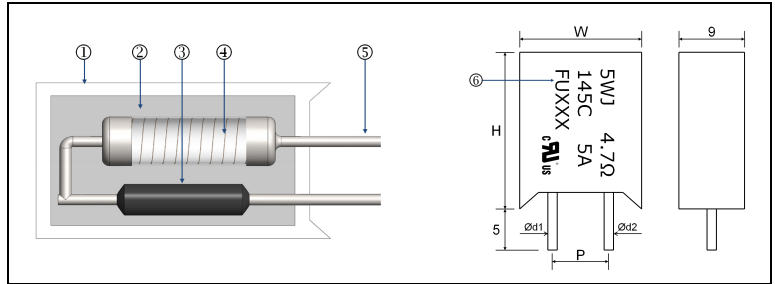
參考規格 Reference standards

- JIS C 5201-1

額定 Ratings

Thermal Fuse			Power Rating (W)				耐電壓 Dielectric Withstanding Voltage	溫度係數 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		

結構圖 Construction



1	瓷 殼	Ceramic case	4	電阻器	Resistor
2	矽水泥	Silicon cement	5	端子線	Lead wire
3	溫度保險絲	Thermal fuse	6	標 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

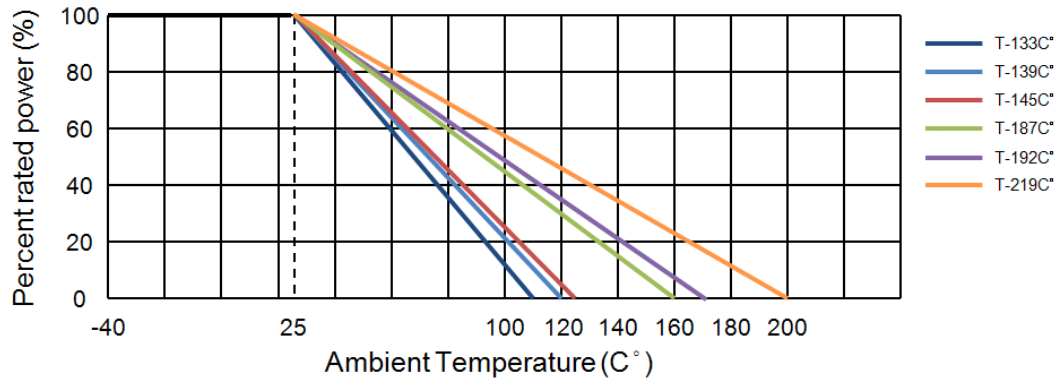
料號編碼 Type composition

例 Example

RF	T	03	J	10R0	T133	NH
型名 Type	品名 Size	額定功率 Rated Power	誤差值 Tolerance	電阻值(Ω) Resistance	溫度 Temperature	端子線 Lead Wire
	溫度型 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 $^{\circ}\text{C}$	熱鍍線 Heat plated

■ 額定溫度下降曲線圖 Derating curve

例 Example



性能 Performance

試驗項目 Test Items	規格值 Performance Requirements	試驗方法 Test Methods
電阻值 Resistance	規定的誤差值內 Within specified tolerance	測量點從端蓋 10mm Measuring points are 10mm from the end cap
溫度係數 T.C.R.	規定值內 Within specified T.C.R.	試驗溫度 70°C，30 分鐘 70°C (30min)
短時間過負荷 Short time overload	$\pm(2\%+0.05\Omega)$	$\sqrt{4PR}$ 倍額定功率，5 秒 $\sqrt{4PR}$ times the rated power for 5 seconds
負荷壽命 Load life	$\pm(5\%+0.1\Omega)$	Rated voltage at 70°C for 1,000 hours 1.5hr ON / 0.5hr OFF Cycles
耐濕負荷壽命 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
耐濕性 Moisture resistance	$\pm(2\%+0.05\Omega)$	40°C，95% RH，240 小時 40°C, 95% RH for 240 hours
溫度循環 Temperature cycle	$\pm(1\%+0.05\Omega)$	5 cycles for -25°C (30min) : room temp. (30min) ~ +85°C (30min) room temp. (30min)
焊錫耐熱 Resistance to soldering heat	$\pm(1\%+0.05\Omega)$	260°C \pm 5°C for 10 seconds (焊錫槽) 350°C \pm 10°C for 3.5 seconds (手焊錫)
絕緣電阻 Insulation resistance	>1,000M Ω	500V 絕緣測試 1 分鐘 500V insulation test 1min.