

# CEMENT RESISTOR BUILT-IN THERMAL FUSE

彩源電阻

溫度保險絲水泥電阻器



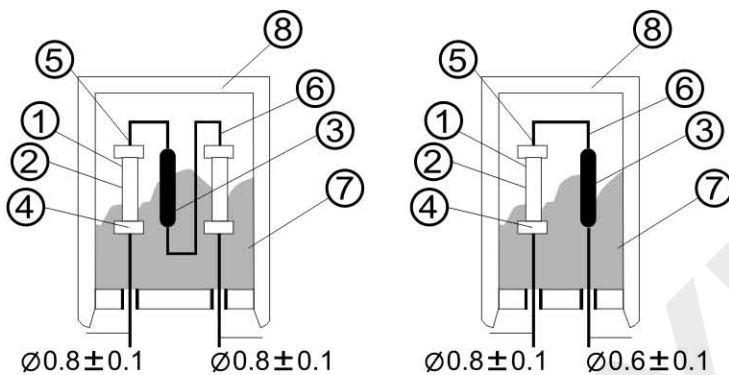
## 品名構成 Product Identification

FSQM	5W	130A	10Ω	K
種類	額定功率	溫度保險絲記號	公稱抵抗值	容許誤差值
Type	Power Rating	Thermal Fuse Code	Resistance	Tolerance

容許誤差值 Tolerance

J	K
±5%	±10%

## 結構圖 Construction



1	基板	Ceramic core
2	組分棒或線繞	Sorting rod or wirewound
3	溫度保險絲	Thermal fuse
4	鐵帽	End cap
5	焊接點	Welding point
6	銅線	Copper wire
7	矽水泥	Silicon cement
8	瓷殼	Ceramic case

## 規格 Specifications

Part Number	Rated Functioning Temperature T <sub>F-Tf</sub> (°C)	Operating Temperature (°C)	T <sub>H</sub> Th (°C)	T <sub>M</sub> T <sub>m</sub> (°C)	Rated Current	Rated Voltage	UL		CSA		VDE		BEAB		CCC		PSE									
							Made in Japan	Made in Thailand	Made in Japan	Made in Thailand	Made in Japan	Made in Thailand	Made in Japan	Made in Thailand	Made in Japan	Made in Thailand	Made in Japan (JET1975 32001-XXXX)	Made in Thailand (JET1974 32001-XXXX)								
072A	76	72 ± 2	46	100	2A	AC 250V	E71747		172780 (LR52330)	6778.2 -1171 -0001	C 1054	*1	*2			*3	1001	1010								
095A	100	95 ± 2	65	115															1006	1011						
110A	115	110 ± 2	80	125															1002	1012						
126A	131	126 ± 2	96	140																						
130A	135	130 ± 2	100	145																						
134A	139	134 ± 2	---	---																						
145A	150	145 ± 2	115	160																						
146A	169	164 ± 2	133	180															E71747	172780 (LR52330)	6778.2 -1171 -0001	C 1054	*1	*2	1003	1013
182A	187	182 ± 2	152	195																					*4	1015

\*1: 2002010205002641

\*2: 2002010205023067

\*3: 33-528

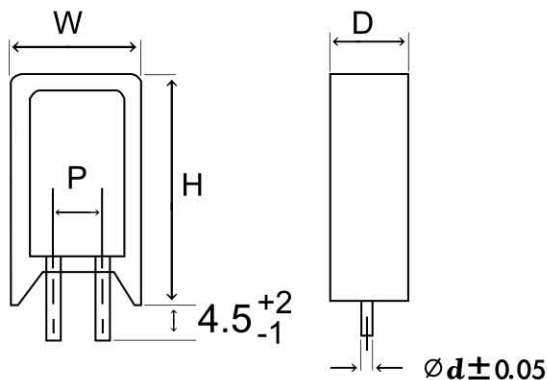
\*4: 33-556

註:本公司可根據客戶要求設計0.5A、1A、6A、10A、15A等產品。

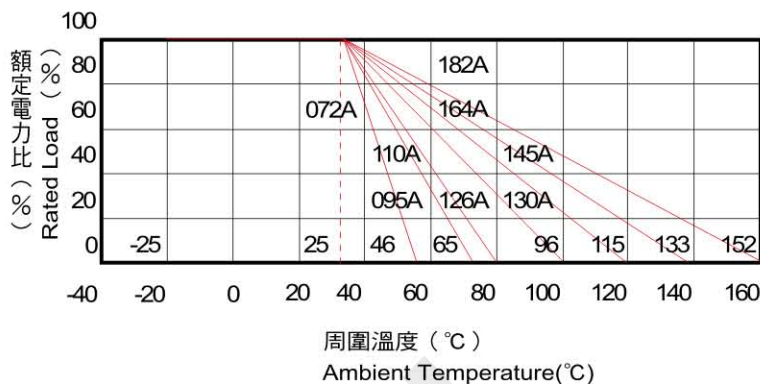
We also design for current rate: 0.5A, 1A, 6A, 10A, & 15A etc. as customer's request.

## 溫度保險絲水泥電阻器

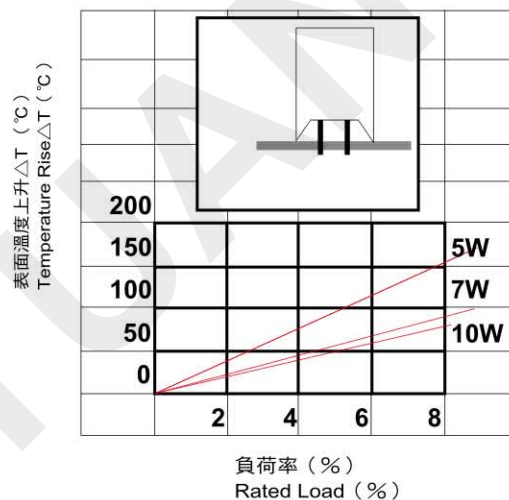
### ● 尺寸 Dimensions



### ● 負載遞減曲線 Power Derating Curve



### ● 表面溫度上升 Hot-spot Temperature



額定功率 Power Rating	尺寸 Dimensions (mm)					
	W±1.0	D±1.0	H±1.0	P±1.5	∅d (Rlead)	∅d (Fuselead)
5W			25			
7W	13	10	39	5	0.8±0.1	2A:0.6 10A:1.0
10W			51			

### ● 特性 Characteristics

特性項目 Item	規格值 Specification	試驗方式 Test Method	JIS.C.5202
溫度係數 Temperature Coefficient	Wirewound: 230PPM/°C Metal Oxide film ±350PPM/°C	試驗溫度：室溫+100°C Test Temperature: Room Temperature+100°C	
耐電壓 Dielectric Withstanding Voltage	無燒損或絕緣性破壞 No flashover or insulation damage	加AC電壓於各規格中持續1分鐘 AC Potential respectively specified in the list for 60 seconds	
短時間過負荷 Short Time Over Load	±(2%+0.05Ω)	額定電壓的2.5倍，5秒 2.5 times rated voltage for 5 seconds	
溫度循環 Temperature Cycling	±(2%+0.05Ω)	-55°C~155°C，5次循環 -55°C~155°C for 5 cycles	
耐濕負荷 Load Life in Moisture	±(5%+0.1Ω)	在溫度40°C，溼度95%RH環境額定電壓1.5小時「ON」，0.5小時「OFF」持續1000小時 Rated voltage 1.5hr "on", 0.5hr "off" at 40°C, 95% RH for 1000 hrs.	
焊錫耐熱 Heat Resistance of Solder	±(1%+0.05Ω)	溫度350°C，3.5秒 350°C for 3.5 seconds	
焊錫性 Solderability	覆蓋至少95% At least 95% coverage	溫度260°C，10秒 260°C for 10 seconds	