

### 保險絲繞綫電阻器

電阻器與保險絲在材質及構造上本身就有類似之處，而保險絲電阻器兼備兩者的功能，平時可當作電阻器使用，一旦電流異常時就發揮其保險絲的作用來保護機器設備。由于有兩用的功能故成本隨之降低。本公司所生產的保險絲電阻器，具有高精密的制造降低，使得熔斷特性和衝激功能更臻精確及穩定，而達到更高品質性能的產品。



### FKN, FSQ Fusible Wire Wound Resistors

There are some similarities between Resistors and Fuses in material and structure. Fusible resistors contain both functions, as being resistor in normal condition and changed into fuse while abnormal current comes in to protect machines and equipment. Since two functions performed by one resistor, the cost therefore saved. FKN & FSQ fusible resistor series are produced with precision technique to get exact fusing time.

### 特性

適用於需要保護的各種電路基板及設計  
小型耐用，具有競爭性價格  
不燃性絕緣塗裝，可耐溶性清洗及適高溫  
溫度系數低。(±300ppm/°C以下)  
保險絲熔斷時間一致

### Features:

1. It is suitable for protecting circuit boards.
2. Small in size.
3. Noncombustible insulating coating. "Solvent" proof and resistant to high temperature.
4. Low temperature coefficient.
5. Uniform in fusing time.

### HOW TO ORDER 訂貨方式

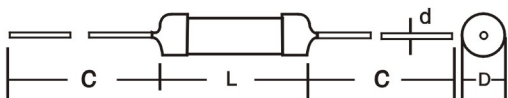
FKN    2W    33Ω    J    T/B  
a       b       c       d       e

- a. common code for fusible wire wound    a. 名稱  
b. rated power    b. 額定電力  
c. resistance value    c. 電阻值  
d. tolerance (J: ±5%)    d. 容許誤差  
e. package (bulk, tape in box, tape & reel)    e. 包裝方式

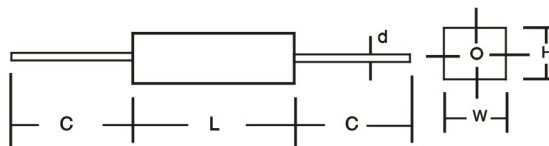
### DIMENSION

TYPE	Rated Wattage	Dimension(mm)						Resistance Range(Ω)	Dielectric Withstanding Voltage
		D±1	L±1.5	H±0.5	W±0.5	C±3	d±0.5		
FKN	1W	4.0	9	-	-	28	0.65	0.1~20	350V
	2W	5.0	11	-	-	28	0.8	0.1~100	500V
	3W	5.5	13	-	-	38	0.8	0.1~200	500V
	5W	6.5	19	-	-	38	0.8	0.1~200	500V
FSQ	2W	-	18	7	7	23	0.65	0.1~10k	1000V
	3W	-	22	8	8	35	0.8	0.1~33K	1000V
	5W	-	22	9	10	35	0.8	0.1~50K	1000V
	7W	-	35	9	10	35	0.8	0.1~50K	1000V
	10W	-	48	9	10	35	0.8	0.1~50K	1000V

FKN



FSQ



### ELECTRICAL PERFORMANCE 電氣特性

Test Items	Condition	Spec.	Test Method
			JIS-C-5202
熔斷特性 Fusing Characteristics	16 times of rated wattage, fusing time is within 60 sec.	for reference only	
溫度範圍 Operating Temp.	-55°C ~ 200°C(FKN); -55°C ~ 150°C(FSQ);	-	-
溫度系數 Resistance Temp. Coeff.	-30°C ~ 150°C	± 300ppm/°C	5.2
短時間超負載 Short Time Overload	2.5 times of rated voltage for 5 sec.	± 2 %	5.5
絕緣性 Insulation Resistance	500V megger	1,000M Ω	5.6
溫度功率 Temp. Cycle	-30°C ~ 85°C for 5 cycles.	± 1 %	7.4
負載壽命 Load Life	70°C on-off cycle 1,000hrs.	± 5 %	7.10
耐濕壽命 Moisture-proof Load Life	40°C 95% RH on-off cycle 1,000hrs.	± 5%	7.9
浸錫耐熱性 Resistance to Soldering Heat	270°C ± 5°C/10 ± 1 sec.	± 1%	6.4
不燃性 Nonflammability	16 times of rated wattage for 5 min.	not flamed	7.12

Note: ■ Fusing time can also be consulted between buyers and the manufacturer before producing

■ The resistance value will be as high as 100 times the original value after fusing