

FIXED WIRE WOUND RESISTORS (CEMENT TYPE)

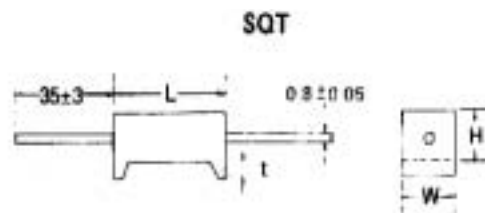
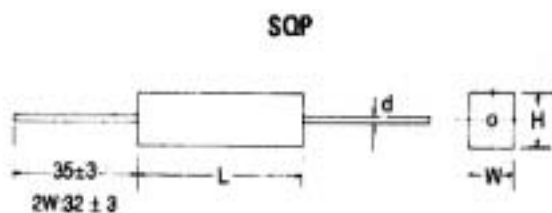
KOME

Features:

- 1 Materials used are all non-inflammable. So that even if overcurrent flows, no self-ignition occurs, thus giving high safety.
- 2 Hermetically sealed. Sealed in a highly insulated box type cased with special cement.
- 3 Highly heat resistant and moisture resistant. High mechanical strength.
- 4 Can be mounted with high degree of safety. High heat radiation effect. Box type closely bonded to the chassis. Most suitable for printed wiring.
- 5 Use TH-SQZ , TH-SQH type according to the condition of the place where it is mounted and the way it is mounted.
- 6 Can be used as complying with safety standards, such as UL Standard. Electric Apparatus Control Law, etc....

HOW TO ORDER

SQP	25	J	2	100
Product Code	Type	Tolerance		Value
Fix Wire Wound resistor	12 1/6W	F	±1%	E-24 : Significant figures + number of zeros
	25 1/4W	J	±5%	E-96 : No. of character + Significant figures + number of Zeros
	50 1/2W	K	±10%	Example
	100 1W			E-24 1R0 = 1Ω, 103 = 10KΩ
	200 2W	Total Ch.		E-96 <u>5</u> 1002 = 10KΩ
	500 5W	No. of Total Character (100=10Ω=2)		E-96 <u>6</u> 1003 = 100KΩ
	10A 10W			Letter R is decimal point
				Jumper is expressed by 000



Type	Dimension (mm)				Resistance Range (Ω)		Max Working Voltage
	W±1	H±1	L±1.5	d±0.05	SQP	RS + SQP	
2W	7	7	18	0.65	0.1~82		15V
3W	8	8	22	0.8	0.1~180	181~33K	350V
5W	10	9	22	0.8	0.1~180	181~50K	350V
7W	10	9	35	0.8	0.1~430	431~50K	500V
10W	10	9	48	0.8	0.1~470	471~50K	750V
15W	12.5	11.5	48	0.8	0.5~600	601~150K	1000V
20W	14	13.5	60	0.8	0.5~1K	1.1K~150K	1000V
25W	14	13.5	60	0.8	0.5~1K	1.1K~150K	1000V

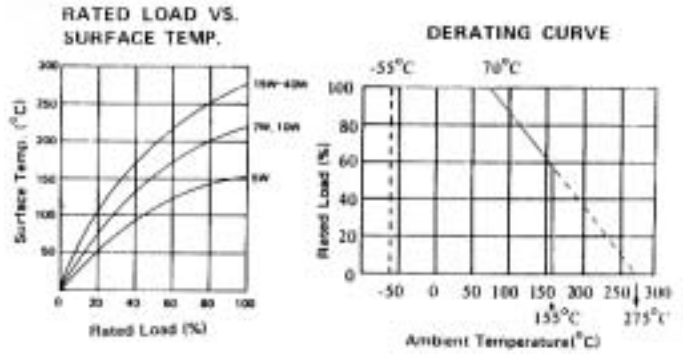
Type	Dimension (mm)				Resistance Range (Ω)
	W±1	H±1	L±1.5	t±0.5	
5W	10	9	22	1.5	0.1~50K
7W	10	9	35	3.0	0.1~50K
10W	10	9	48	3.0	0.1~50K

Note: Wirewound (SQT) & Metal Oxide Film (RS+SQT) resistance-range detail same as SQP type

- Notes:
1. Max Overload Voltage is 2 times of Max Working Voltage.
 2. Too low or too high ohmic value can be supplied only case by case.
 3. Resistance Value under 0.5Ω, the tolerance shall be ±10%
 4. Max Working Voltage is fit for all SQ types

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ELECTRICAL PERFORMANCE

Test Items	Condition	Spec.
Resistance Temp. Coeff.	-55°C ~ 155°C	+300ppm/°C
Short Time Over Load	10 times of rated wattage for 5 sec.	±2%
Rated Load	Rated wattage for 30 min.	±1%
Voltage Withstanding	1000V AC 1 min.	no change
Insulation Resistance	500V megger	1000MΩ
Temp. Cycle	-30°C ~ 85°C for 5 cycles	±1%
Load Life	70°C on-off cycle 1000 hrs.	±5%
Moisture-proof Load Life	40°C 95% RH on-off cycle 1000 hrs.	±5%
Incombustibility	16 times of rated wattage for 5 min.	not flamed

- Notes:
1. Max Overload Voltage is 2 times of Max Working Voltage.
 2. Too low or too high ohmic value can be supplied only case by case
 3. "RS + SQ" short time over load is 5 times of rated wattage for 5 sec.