

CEMENT

CEMENT TYPE WIREWOUND RESISTORS

R Power Resistors

SQP SQM SQZ
SQH SQT
Series

INTRODUCTION

Cement type resistors are put the low value wire wound resistor or high value metal oxide film resistor on the ceramic package and sealed with special non-flame cement.

Type 2W 3W 5W 7W 10W 15W 20W 30W 40W

FEATURES

- Small dimension, excellent stability in high temperature, resistant to humidity and shock with economic price.
- Completely insulated character suitable for printed circuit board.
- Precise resistance value with better life proof.
- In high resistance value, the winding core will be replaced by Metal Oxide Film cutting core (RS)
- Super heat dissipation; small linear temperature coefficient.
- Instant overload capability; low noise figure and without annual shift on resistance value.

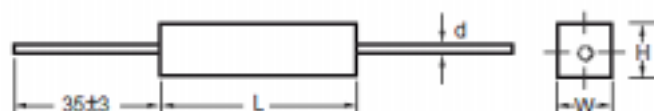
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SQP

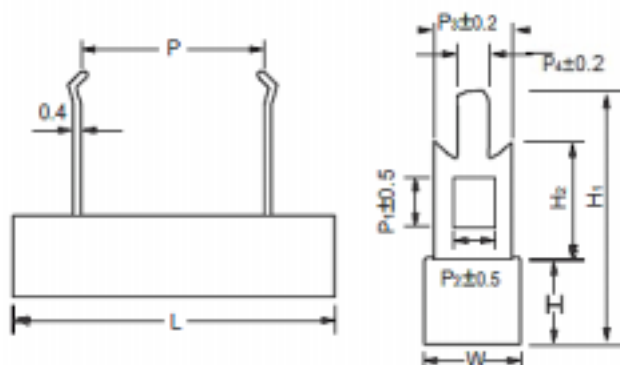


DIMENSIONS (mm)

TYPE	DIMENSION (MM)				RESISTANCE RANGE (Ω)		MAX WORKING VOLTAGE
	W $\pm$ 1	H $\pm$ 1	L $\pm$ 1.5	d $\pm$ 0.05	SQP	RS+SQP	
2W,3WS	7	7	18	0.65	0.1-100	110-100K	250V
3W,5WS	8	8	22	0.75	0.1-100	110-100K	350V
5W,7WS	10	9	22	0.75	0.1-100	110-50K	350V
7W,10WS	10	9	35	0.8	0.1-100	110-50K	500V
10W,15WS	10	9	48	0.8	0.1-100	110-50K	750V
15W,20WS	12.5	11.5	48	0.8	0.5-100	110-50K	1000V
20W,25W	14	13.5	60	0.8	0.5-100	110-50K	1000V

- Notes: 1. Max Overload Voltage is 2 times of Max working voltage.
- 2. Too low or too high ohm value can be supplied only case by case.
- 3. Resistance value under 0.01 Ω , the tolerance shall be $\pm$ 10%.
- 4. Max Working voltage is fit for all SQ types.
- 5. Exceed 100 Ω can be supplied in wire wound subject to case by case.
- 6. Specifications of the products displayed herein are subject to change without notice.

SQZ



TYPE	DIMENSION (MM)										RESISTANCE RANGE(Ω)	
	L $\pm$ 1.5	W $\pm$ 1	H $\pm$ 1	P $\pm$ 1.5	P1	P2	P3	P4	H1 $\pm$ 1	H2 $\pm$ 1	SQZ	RS+SQZ
5W	25(28)	10	10	9.5(15)	4.5	2	5	1.5	25	10.5	0.1-100	110-33K
7W	36	10	10	20	4.5	2	5	1.5	25	10.5	0.5-100	110-10K
10W	48	10	10	32	4.5	2	5	1.5	25	10.5	0.5-100	110-10K
15W	48	12.5	12	32	4.5	2	5	1.5	26	10.5	1-100	110-10K
20.25W	60	15	13	42	7	6	10	2.7	36	15.0	1-100	110-10K

SQT SQM
Series

TYPE	DIMENSION (MM)			RESISTANCE RANGE (Ω)	
SQM	H $\pm$ 1.5	W $\pm$ 1	S $\pm$ 1	SQM	RS + SQM
3W	25	12	8	0.1-100	110-50K
5W	25	13	9	0.1-100	110-50K
7W	39	13	9	0.1-100	110-50K
10W	51	13	10	0.1-100	110-50K
10WS	35	16	12	0.1-100	110-50K

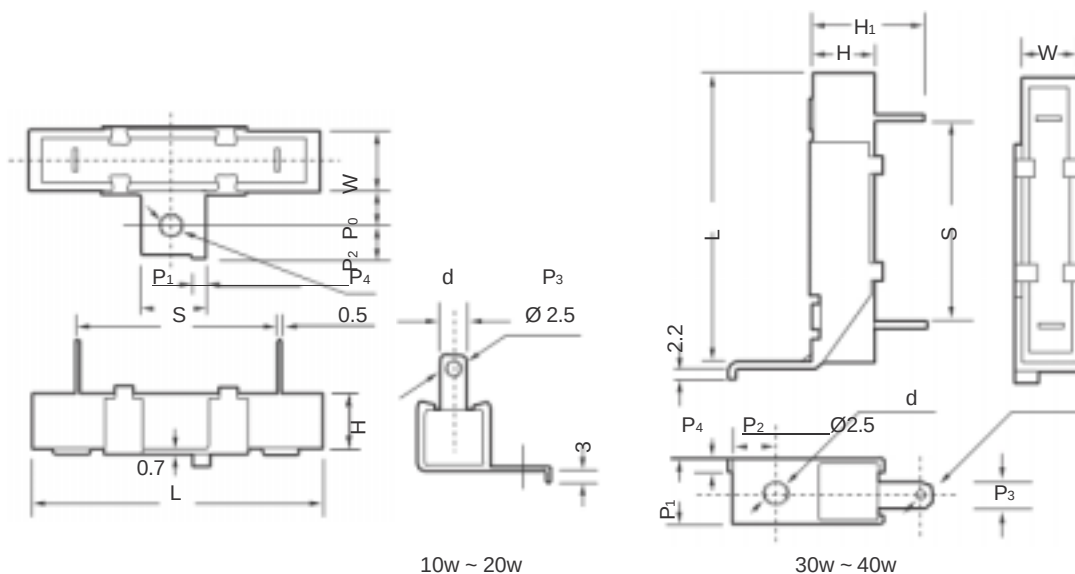
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SQH
Series

SQH



TYPE	Power Rating(w)	Range of Resistance(Ω)	DIMENSION (mm)									
			L	H	W	S	P ₀	P ₁	P ₂	P ₃	P ₄	d
SQH-10	10	0.1-800	48.0	10.0	10.0	33	8	12	5	5.8	3.0	3.8
SQH-15	15	0.1-800	48.0	12.0	12.0	33	8	12	5.5	6.0	3.0	3.8
SQH-20	20	0.1-1K	60.0	12.0	12.0	42	8	12	5.5	6.0	3.0	3.8
SQH-30	30	0.5-1K	75.0	19.0	19.0	56	10.5	19	8	7.5	3.5	4.2
SQH-40	40	1.0-1.5K	90.0	19.0	19.0	68	10.5	19	8	7.5	3.5	4.2

Notes: Resistance up to 50 Ω maximum for Non-Inductive
type SQHG = SQH+ METALBRACKET

POWER DERATING CURVE

