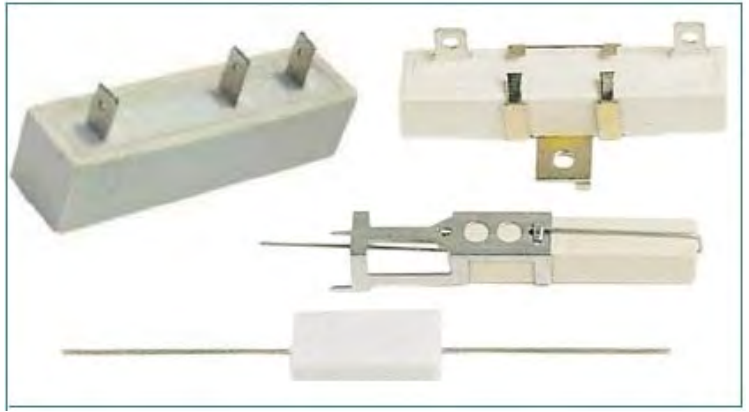


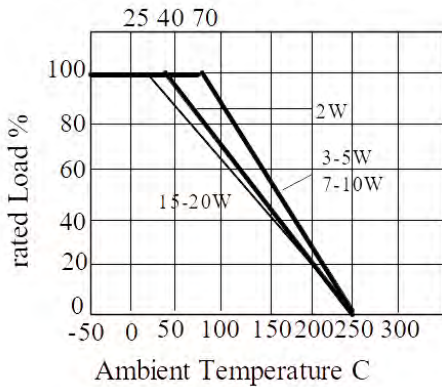
Ceramic Encased Resistors – SQ series

Also known as Cement Resistors

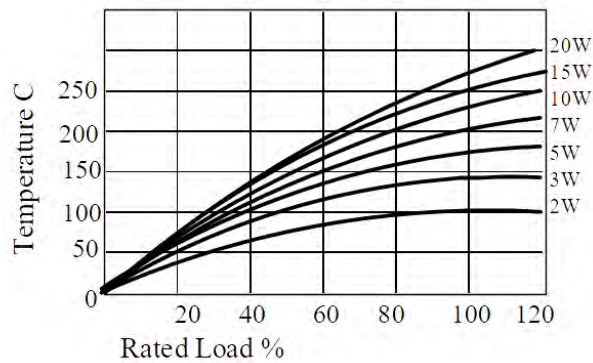
- Excellent stability in high temperature, resistant to humidity and shock with economic price
- Best suitable for heat dissipation; small linear temperature coefficient
- Instant overload capability; low noise figure
- Non flammable construction
- Low Inductance type available
- High Surge Current type available
- High Insulation resistance
- Can be PCB mounted



Derating Curve



Temperature Rise

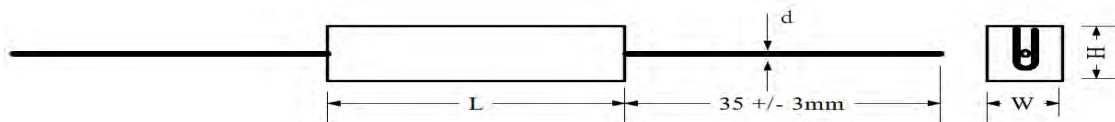


Test	Characteristics	
Resistance Temperature Coefficients	-55C - 155C	+/- 300ppm / C
Short Time Over Load	10 time of rated power 5seconds	+/-2%
Voltage withstanding	1000Vac 1min.	No change
Insulation Resistance	500V	1000M ohm
Temperature Cycle	-30 - 85C for 5 cycle	+/- 1%
Load Life	70C on / off cycle 1000 hours	+/- 5%
Moisture – proof Load Life	40C 95% RH on / off cycle 1000 hours	+/- 5%
Incombustibility	16 times of rated Power 5 minutes	No flamed
Rated Power	Rated Power 30 minutes	+/- 1%

Part Number :

Series	Rated Power	Resistance Value (ohm) + Resistance Tolerance + Drawing Number
SQP	2 - 50W	0.1 ohm = R1 B=+/-0.1% D= +/-0.5%
SQT	5 - 10W	1 ohm = 1R F=+/-1% J=+/-5%
SQM	5 - 10W	10 ohm = 10R K=+/-10%
SQH/SQH-G	10 - 40W	150 ohm = 150R
SQZ	5 - 50W	1k ohm = 1kR
		10k ohm = 10kR

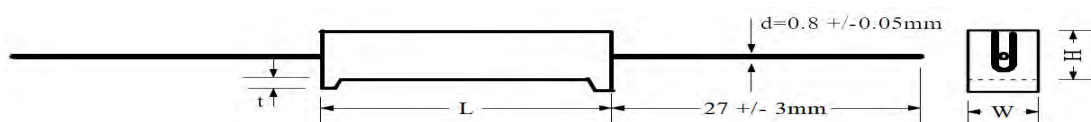
SQP type



Rated Power	Dimensions in mm				Resistance ohm	
	L +/-1.5mm	W +/-1mm	H +/-3mm	D +/-0.05mm	SQP	MO+SQP
2W	18.0	7.0	7.0	0.65	0.1 - 50	50 - 20k
3W	22.0	8.0	8.0	0.80	0.1 - 50	50 - 33k
5W	22.0	10.0	9.0	0.80	0.1 - 50	50 - 50k
7W	35.0	10.0	9.0	0.80	0.1 - 500	500 - 50k
10W	48.0	10.0	9.0	0.80	0.1 - 500	500 - 50k
15W	48.0	12.0	12.0	0.90	0.5 - 500	500 - 150k
20W / 25W	60.0	13.0	13.0	0.90	0.5 - 1k	1.1k - 150k
30W	75.0	19.0	19.0	0.90		
40W	90.0	19.0	19.0	0.90		
50W	90.0	19.0	19.0	0.90		

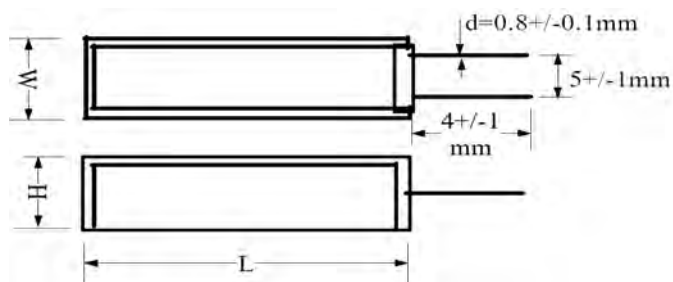
Support up to 100W, contact us for more details.

SQT type



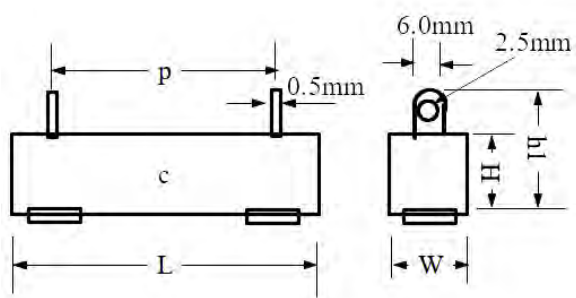
Rated Power	Dimensions in mm				Resistance ohm	
	L +/-1.5mm	W +/-1mm	H +/-3mm	t +/-1mm	SQT	MO+SQT
5W	22.0	10.0	9.0	1.5	0.1 - 50	50 - 50k
7W	35.0	10.0	9.0	3.0	0.1 - 500	500 - 50k
10W	48.0	10.0	9.0	3.0	0.1 - 500	500 - 50k
20W / 25W	59.0	17.0	14.5	3.5	0.1 - 500	500 - 50k

SQM type

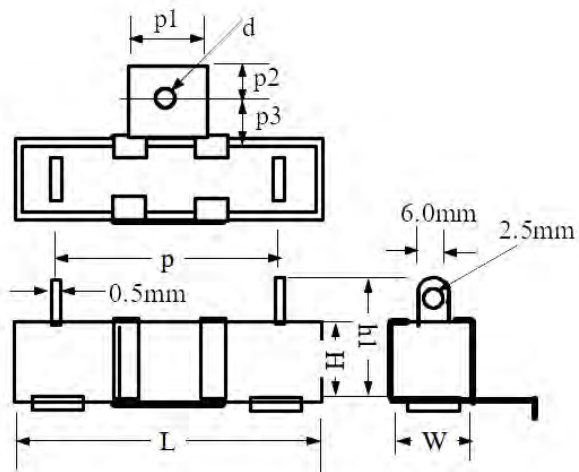


Rated Power	Dimensions in mm				Resistance ohm	
	L +/-1.5mm	W +/-1mm	H +/-3mm	d +/-0.1mm	SQM	MO+SQM
5W	25.0	13.0	9.0	0.8	0.1 - 50	50 - 50k
7W	39.0	13.0	9.0	0.8	0.1 - 500	500 - 47k
10W	51.0	13.0	9.0	0.8	0.1 - 500	500 - 47k

SQH type



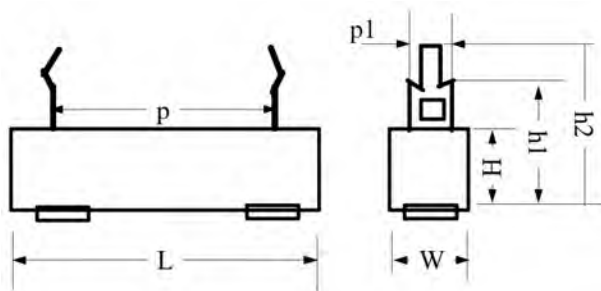
SQH-G type



Rated Power	Resistance Range ohm		Dimensions in mm								
	SQH	MO+SQH	L +/-2	H +/-2	W +/-2	P +/-2	h1 +/-2	p1	p2	P3	D
10W	0.5 - 500	500 - 50K	48.0	10.0	10.0	32	21	12	6	8.0	4
15W	1 - 500	500 - 150K	48.0	12.0	12.0	32	21	12	6	8.0	4
20W	1 - 500	500 - 150K	63.5	12.0	12.0	42	24	12	6	8.0	4
30W	1 - 500		75.0	19.0	18.0	55	30	17	8	10.0	4
40W	1 - 50		90.0	19.0	18.0	68	30	17	8	10.0	4

Support up to 100W, contact us for more details.

SQZ type



Rated Power	Resistance Range ohm		Dimensions in mm						
	SQZ	MO+SQZ	L +/-1	H +/-1	W +/-1	P +/-1	h1 +/-1	h2 +/-1	p1 +/-1
5W	0.1 - 100	100 - 50k	27.0	9.5	9.5	15.0	21	24.0	5.0
7W	0.1 - 500	500 - 50k	35.0	9.5	9.5	22.5	21	24.0	5.0
10W	0.2 - 500	500 - 50k	48.0	9.5	9.5	35.0	21	24.0	5.0
15W	0.5 - 500	500 - 150k	48.0	12.5	12.5	32.5	23	36.5	5.0
20W / 25W	1 - 1k	1.1 - 150k	63.50	15	15	42 / 45.0	30	36.5	7.0
30W / 40W	1 - 1k		75	19	19	57	34	38	7.0
50W	1 - 1k		90	19	19	67	34	60	7.0

Support up to 100W, contact us for more details.