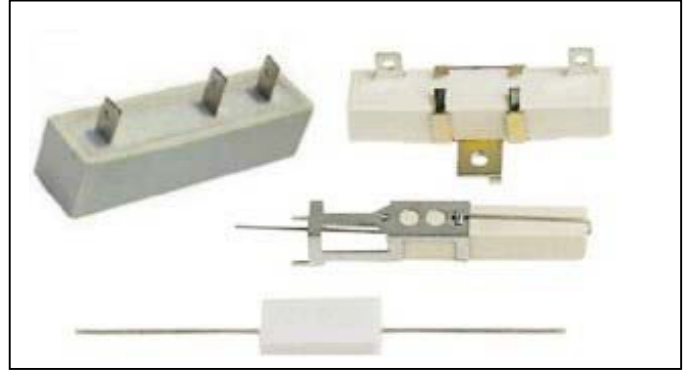
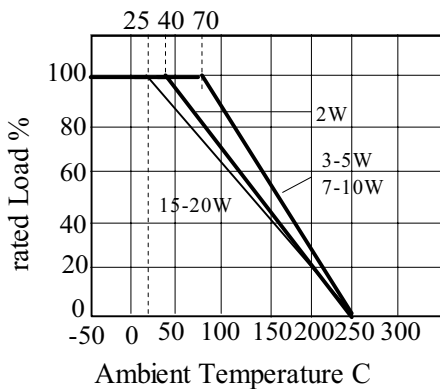


Ceramic Encased Resistor – SQ series

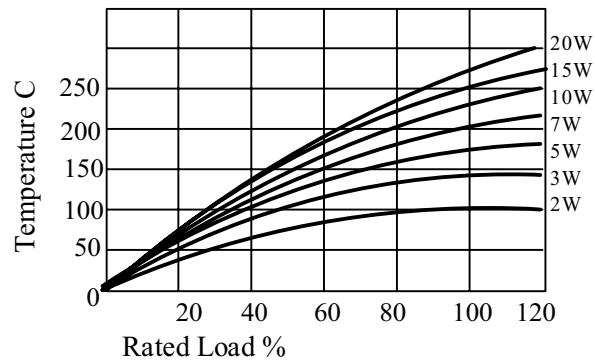
- excellent stability in high temperature, resistant to humidity and shock with economic price
- best suitable for heat dissipation; small linear temperature coefficient
- Instant overload capability; low noise figure
- Non Flammable Construction
- Low Inductance type available
- High Surge type available
- High Insulation Resistance
- Can be PCB mounted



Derating Curve



Temperature Rise

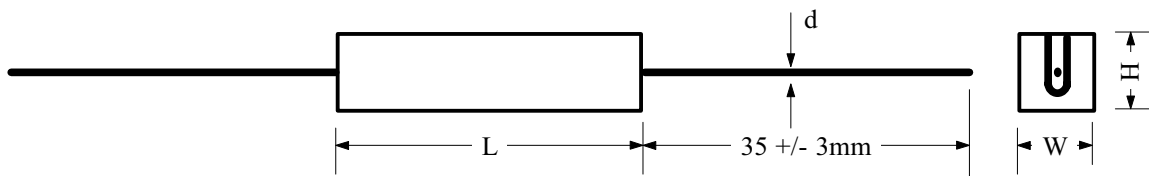


Test	Characteristic and Resistance change	
Resistance Temperature Coefficients	-55C - 155C	+/- 300ppm / C
Short Time Over Load	10 time of rated power 5seconds	+/-2%
Voltage withstanding	1000Vac 1min.	No change
Insulation Resistance	500V	1000M ohm
Temperature Cycle	-30 - 85C for 5 cycle	+/- 1%
Load Life	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 :

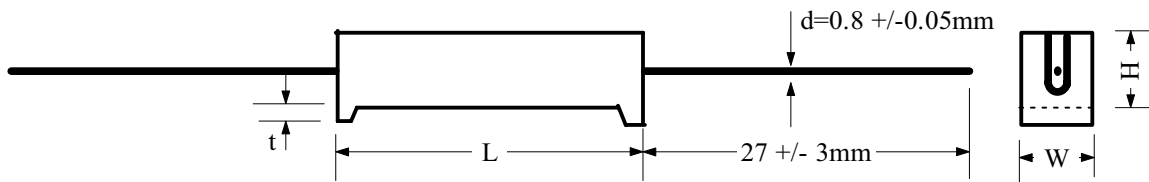
Series	Rated Power	Resistance Value (ohm)	Resistance Tolerance	Drawing Number
SQP	2 - 20W	0.1 ohm = R1	B=+/-0.1% C= +/-0.5%	
SQT	5 - 10W	1 ohm = 1R	F=+/-1% J=+/-5%	
SQM	5 - 10W	10 ohm = 10R	K=+/-10%	
SQH/SQH-G	10 - 40W			
SQZ	5 - 20W			

SQP type



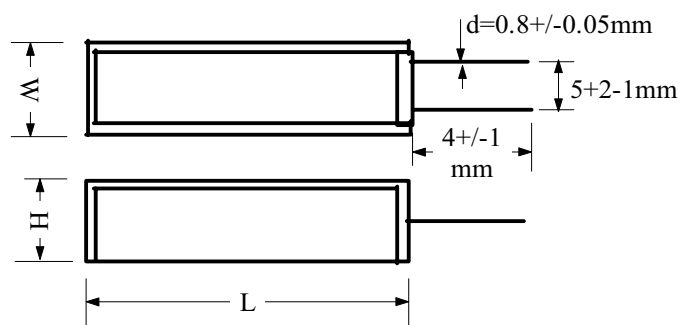
Rated Power	Dimensions in mm				Resistance ohm	
	L +/-1.5mm	W +/-1mm	H +/-3mm	D +/-0.05mm	SQP	MO+SQP
2W	18.0	7.0	7.0	0.65	0.1 - 50	50 - 20k
3W	22.0	8.0	8.0	0.80	0.1 - 50	50 - 33k
5W	22.0	10.0	9.0	0.80	0.1 - 50	50 - 50k
7W	35.0	10.0	9.0	0.80	0.1 - 500	500 - 50k
10W	48.0	10.0	9.0	0.80	0.1 - 500	500 - 50k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

SQT type



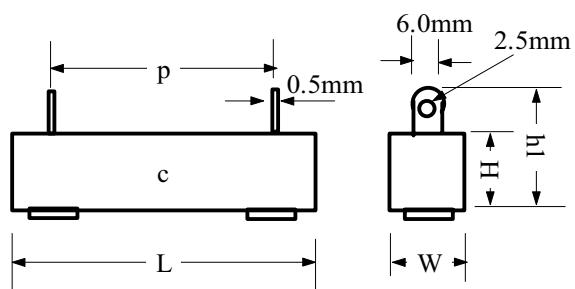
Rated Power	Dimensions in mm				Resistance ohm	
	L +/-1.5mm	W +/-1mm	H +/-3mm	t +/-1mm	SQT	MO+SQT
5W	22.0	10.0	9.0	1.5	0.1 - 50	50 - 50k
7W	35.0	10.0	9.0	3.0	0.1 - 500	500 - 47k
10W	48.0	10.0	9.0	3.0	0.1 - 500	500 - 47k

SQM type

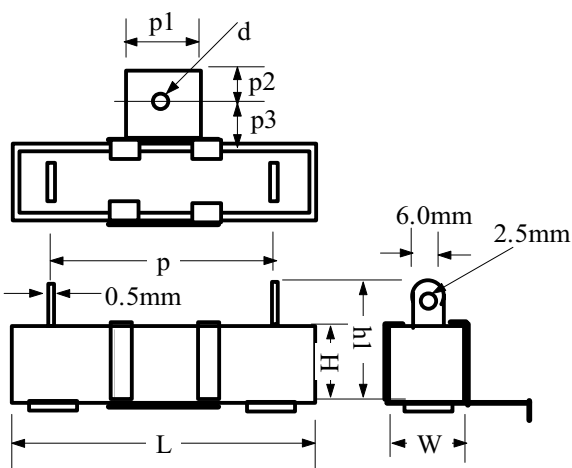


Rated Power	Dimensions in mm				Resistance ohm	
	L +/-1.5mm	W +/-1mm	H +/-3mm	d +/-0.05mm	SQM	MO+SQM
5W	25.0	13.0	9.0	0.8	0.1 - 50	50 - 50k
7W	39.0	13.0	9.0	0.8	0.1 - 500	500 - 47k
10W	51.0	13.0	9.0	0.8	0.1 - 500	500 - 47k

SQH type



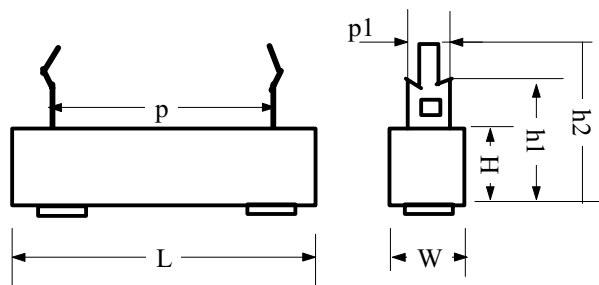
SQH-G type



SQH / 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

SQZ type



Rated Power	Resistance Range ohm		Dimensions in mm						
	SQZ	MO+SQZ	L +/-1	H +/-1	W +/-1	P +/-1	h1	h2	p1
5W	0.1 - 100	100 - 50k	27.0	9.5	9.5	15.0	9.5	24.0	5.0
7W	0.1 - 500	500 - 50k	35.0	9.5	9.5	22.5	9.5	24.0	5.0
10W	0.2 - 500	500 - 50k	48.0	9.5	9.5	35.0	9.5	24.0	5.0
15W	0.5 - 500	500 - 150k	48.0	12.5	12.5	32.5	15.0	36.5	10.0
20W	1 - 500	500 - 150k	63.50	12.5	12.5	45.0	15.0	36.5	10.0