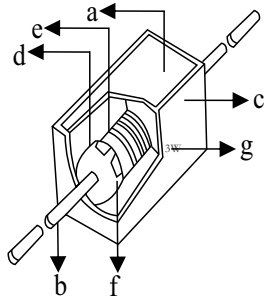




● Features

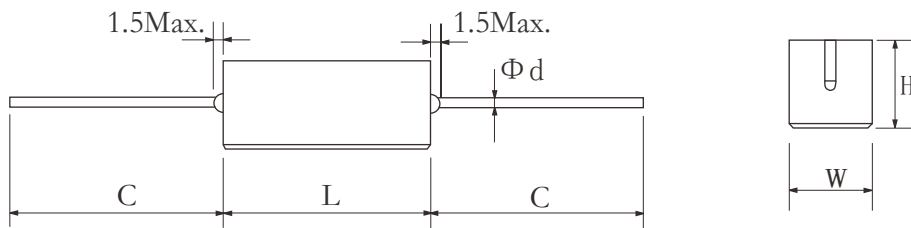
- I Compact type with safety design of non-flammability and insulation
- II Stable long life
- III Products meet Eu-RoHS

● Construction



a	SiO ₂ material
b	Tinned copper lead wire
c	Ceramic shell
d	Glass core or ceramic core of high Al ₂ O ₃
e	Wire-wound or metal oxide film
f	Tinned iron cap
g	Marking

● Dimensions



Type	Power	Dimensions(mm)				
		L±1.5	W±1	H±1	C±3	d±0.05
SQP	1W	12.5	5.5	5.7	24.0	0.65
	2W	18.0	6.5	6.5	33.0	0.75
	3W	22.0	8.0	8.0	33.0	0.75
	5W	22.0	10.0	9.50	33.0	0.75
	7W	35.0	10.0	9.50	33.0	0.75
	10W	48.0	10.0	9.50	33.0	0.75
	15W	48.0	12.5	12.5	33.0	0.75
	20W	60.0	14.0	14.0	33.0	0.75
	25W	60.0	14.0	14.0	33.0	0.75
	30W	75.0	18.0	18.0	35.0	0.80
	40W	90.0	19.0	19.0	35.0	1.0
	50W	90.0	19.0	19.0	35.0	1.0
	75W	110	19.0	19.0	35.0	1.0
100W	135	24.0	24.0	35.0	1.0	

Ordering Information

Example:

SQP	01	J	R100	B	A
(1)	(2)	(3)	(4)	(5)	(6)
Series Name	Power Rating	Resistance Tolerance	Resistance	Packing	Special code

(1)Type: SQP SERIES

(2)Power Rating: 1=1W、2=2W、7=7W、10=10W、25=25W、100=100W

(3)Tolerance: F=±1%、G=±2%、J=±5%

(4)Resistance Value:R100=0.1R、1R00=1Ω、10R0=10Ω、100R0=100Ω

(5)Packing:B=bulk standard

(6)Special code: A:wirewound type ceramic core; B:Metal oxide film type; C:wirewound type glass core;
D:non-inductive type

To meet your request :

We also provide products for below functions, for SQP etc.

I Mini size design

II Non-inductive products

III Anti-pulse high voltage products

IV Design resistor for High stability and reliable military supplies and industrial products .

More details please contact with our engineer. kh@khxcom.com

Reference Standards

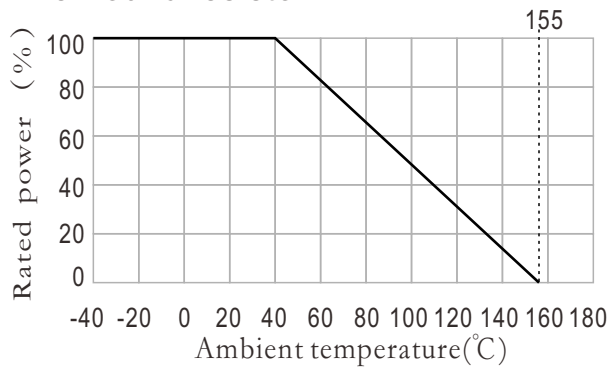
JISC 5201-1

Applications And Ratings

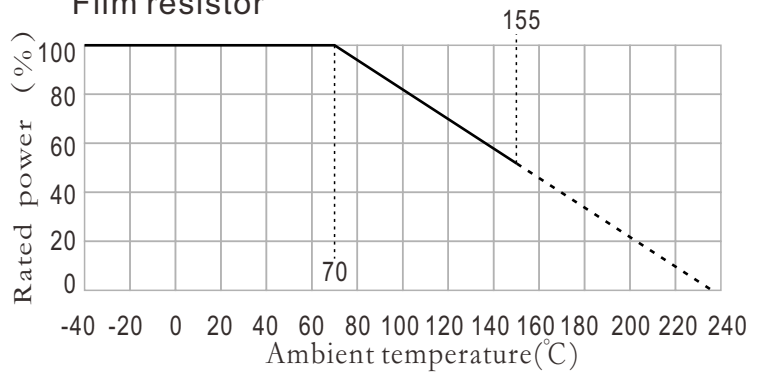
Rated Power (W)	Resistance Range(Ω)		MaxWorking Voltage	MaxOverload Voltage	Dielectric Withstanding Voltage	T.C.R
	Metal oxide film type	Wire wound type				
1	100~39K	0.01~1K	150V	500V	1000V	Metal oxide film MPS ±350PPM/°C Wirewound ±100PPM/°C
2	100~39K	0.01~2K	350V	750V		
3	100~39K	0.01~3K	500V	1000V		
5	100~50K	0.01~10K	750V	1000V		
7	100~100K	0.05~20K	1000V	1500V		
10	100~100K	0.1~20K	1000V	1500V		
15	100~100K	0.1~20K	1000V	1500V		
20	100~100K	0.1~20K	1000V	1500V		
25	100~100K	0.1~20K	1000V	1500V		
30	100~100K	0.1~20K	1000V	1500V		
40	100~100K	0.1~20K	1000V	1500V		
50	100~100K	0.1~20K	1000V	1500V		
75	100~100K	0.1~20K	1000V	1500V		
100	100~100K	0.1~20K	1000V	1500V		

Derating Curve

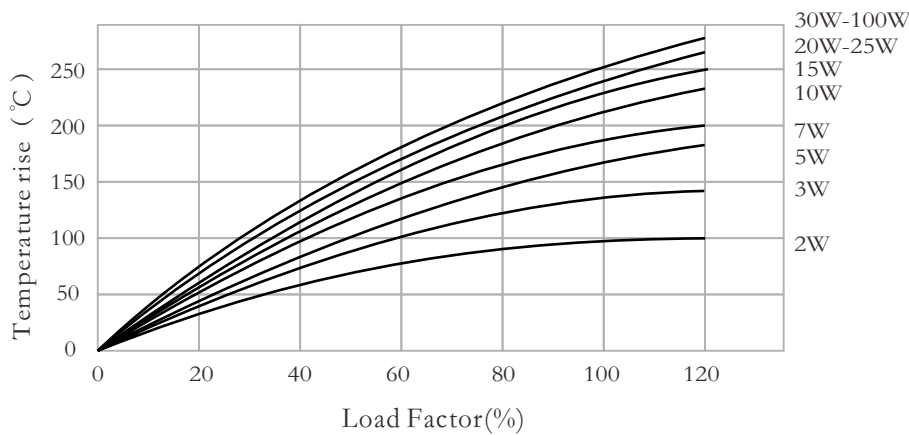
Wire wound resistor



Film resistor



Temperature Rising curve



Performance

Test Items	Performance Requirements	Test Methods(JIS C 5201-1)
Resistance	Within specified tolerance	Measuring points are 10mm from the end cap
T.C.R.	Within specified T.C.R	Room temperature+100°C
Short time overload	$\pm (2\%+0.05\Omega)$	10 times the rated power for 5 seconds
Load life	$\pm (5\%+0.1\Omega)$	Rated voltage at 70°C for 1,000 hours 1.5hr ON/0.5hr OFF Cycles
Load life in humidity	$\pm (5\%+0.1\Omega)$	Rated voltage at 40°C ,95%RH for 1,000 hours
Temperature cycle	$\pm (1\%+0.05\Omega)$	5 cycles for -25°C (30min);room temp. (30min) ~+85°C (30min)room temp. (30min)
Resistance to soldering heat	$\pm (1\%+0.05\Omega)$	260°C \pm 5°C for 10 seconds 350°C \pm 10°C for 3.5 seconds
Insulation resistance	> 100M Ω	500V insulation test 1min.