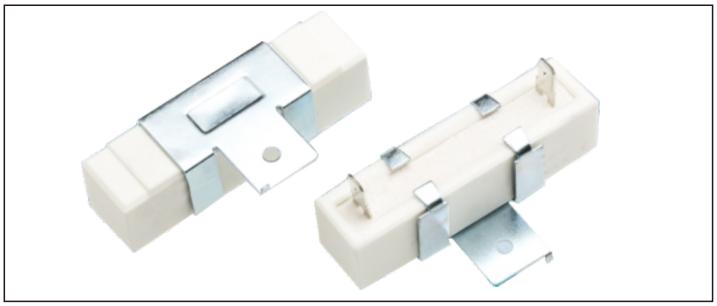


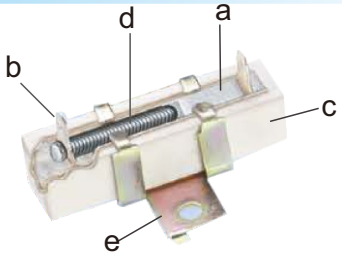
Features

Ⅰ Compact type with safety design of non-flammability and insulation

Ⅱ Stable long life

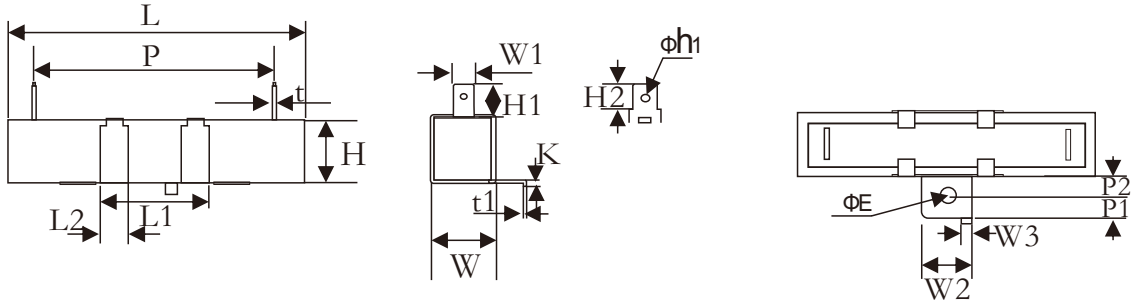
Ⅲ Products meet Eu-RoHS

Construction



a	S1O2 material
b	Iron plate
c	Ceramic shell
d	Wire-wound or metal oxide film
e	Stents

Dimensions



Type	Power	Dimensions(mm)								
		L	L1	L2	W	W1	H	H1	H2	P
MQH	20W	63.5±2.0	25.0±1.0	7.0±0.5	12.5±1.2	6.3±0.3	12.5±1.2	11±3. 0	21.0^{+2}_{-1}	47.5±2.0
	25W	63.5±2.0	40.0±1.2	10.0±0.5	19.0±1.5	6.3±0.3	19.0±1.5	11±3. 0	$30.0^{+2.5}_{-1.5}$	47.5±2.0
	30W	75.0±2.5	40.0±1.2	9.50±0.5	19.0±1.5	6.3±0.3	19.0±1.5	13±3. 0	$28.0^{+2.5}_{-1.5}$	52±2.0
	40W	90.0±2.5	40.0±1.2	9.50±0.5	19.0±1.5	6.3±0.3	19.0±1.5	13±3. 0	$28.0^{+2.5}_{-1.5}$	67±2.0
	50W	90.0±2.5	40.0±1.2	9.50±0.5	19.0±1.5	6.3±0.3	19.0±1.5	13±3. 0	$28.0^{+2.5}_{-1.5}$	67±2.0
	60W	90.0±2.5	40.0±1.2	9.50±0.5	19.0±1.5	6.3±0.3	19.0±1.5	13±3. 0	$28.0^{+2.5}_{-1.5}$	67±2.0

Type	Power	Dimensions(mm)								
		P1	P2	W2	W3	K	t1	ΦE	t	Φh1
MQH	20W	8.0±1.0	6.0±1.0	12.0±0.5	3.0±0.3	2.8±0.3	0.8±0.3	4.2±0.2	0.5±0.3	2.5±0.3
	25W	8.0±1.0	6.0±1.0	12.0±0.5	3.0±0.3	2.8±0.3	0.8±0.3	4.2±0.2	0.5±0.3	2.5±0.3
	30W	10.0±1.0	8.0±1.0	17.0±0.5	3.0±0.3	4.3±0.3	0.8±0.3	4.2±0.2	0.5±0.3	3.0±0.3
	40W	10.0±1.0	8.0±1.0	17.0±0.5	3.0±0.3	4.3±0.3	0.8±0.3	4.2±0.2	0.5±0.3	3.0±0.3
	50W	10.0±1.0	8.0±1.0	17.0±0.5	3.0±0.3	4.3±0.3	0.8±0.3	4.2±0.2	0.5±0.3	3.0±0.3
	60W	10.0±1.0	8.0±1.0	17.0±0.5	3.0±0.3	4.3±0.3	0.8±0.3	4.2±0.2	0.5±0.3	3.0±0.3

Ordering Information

Example:

SQH	10	J	R100	A
(1)	(2)	(3)	(4)	(5)
Series Name	Power Rating	Resistance Tolerance	Resistance	Special code

(1)Type: SQH SERIES

(2)Power Rating: 10=10W、15=15W、20=20W、25=25W

(3)Tolerance: F=±1%、G=±2%、J=±5%

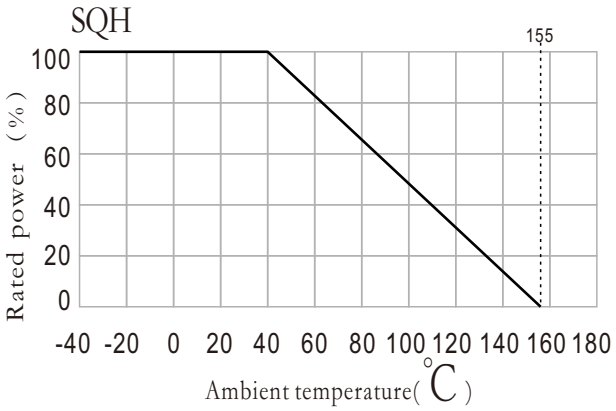
(4)Resistance Value:R100=0.1R、1R00=1Ω、10R0=10Ω、100R0=100Ω

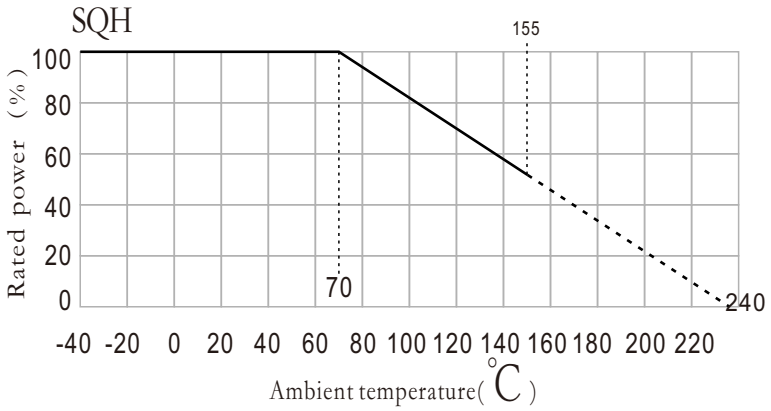
(5)Special code: A:wirewound type ceramic core; B:Metal oxide film type; C:glass core;

Applications And Ratings

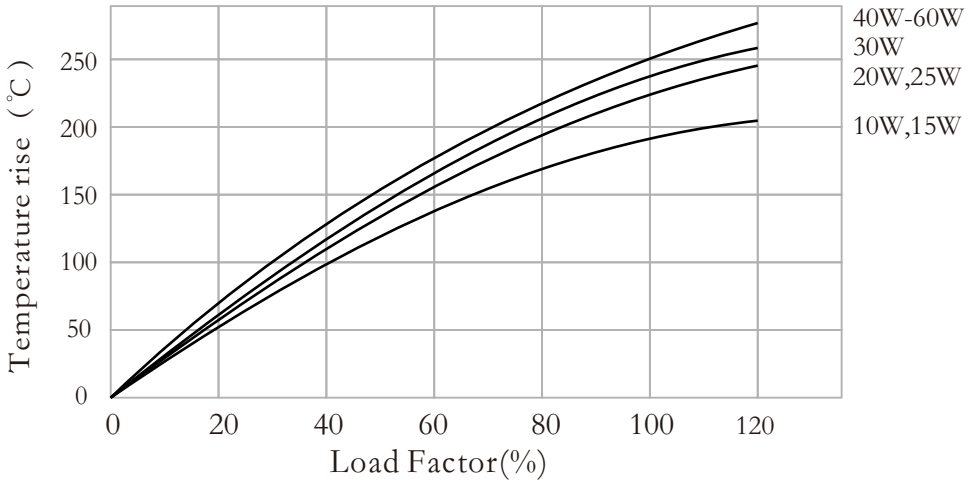
Rated Power(W)	Resistance Range(Ω)		Max Working Voltage	Max Overload Voltage	Dielectric Withstanding Voltage	T.C.R
	Metal oxide film type	Wire wound type				
10	100~39K	0.01~3K	350V	1000V	1000V	Metal oxide film ±350PPM/℃ Wirewound ±100PPM/℃
15	100~50K	0.01~10K	350V	1000V		
20	100~100K	0.05~20K	500V	1500V		
25	100~100K	0.1~20K	750V	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		
60	100~100K	0.1~20K	1000V	1500V		

Derating Curve





Surface Temperature Rise



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℃
Short time overload	± (1%+0.05Ω)	10 times the rated power for 5 seconds
Load life	± (5%+0.1Ω)	Rated voltage at 70℃ for 1,000 hours 1.5hr ON/0.5hr OFF Cycles
Load life in humidity	± (5%+0.1Ω)	Rated voltage at 40℃,95%RH for 1,000 hours
Temperature cycle	± (1%+0.05Ω)	5 cycles for -25℃ (30min);room temp. (30min) ~+85℃ (30min)room temp. (30min)
Resistance to soldering heat	± (1%+0.05Ω)	260℃ ± 5℃ for 10 seconds 350℃ ± 10℃ for 3.5 seconds
Insulation resistance	> 100MΩ	500V insulation test 1min.