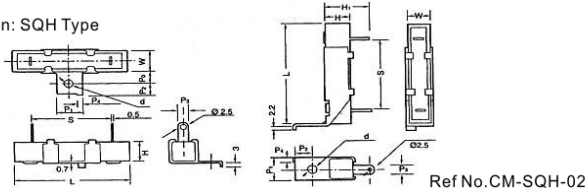


SQH Series Cement Wire Wound Resistors

SQH Series

Dimension: SQH Type



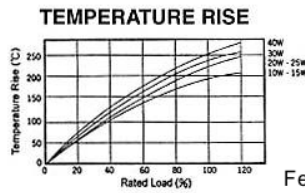
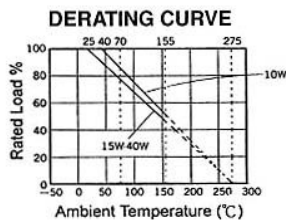
Ref No. CM-SQH-02

DIMENSIONS (mm) :

STYLE	DIMENSION (mm)									
	L±2.0	H±1.5	W±1.0	S±2.0	P0	P1	P2	P3	P4	d
SQH-10W	48	10.5	10.5	33	8	11	6	6	3	3.8
SQH-15W	48	12.5	12	33	8	11	6	6	3	3.8
SQH-20W	63.5	12.5	12.5	48	8	11	6	6	3	3.8
SQH-25W	63.5	12.5	12.5	46	10	11	6	6	3	3.8
SQH-30W	70	19	18	56	10	18	8	8	3.5	4.2
SQH-40W	90	19	18	70	10	18	8	8	3.5	3.5

ELECTRICAL CHARACTERISTICS

Style \ Power Rating 70°C	SQH-10W	SQH-15W	SQH-20W	SQH-30W
	-----	-----	SQH-25W	SQZ-40W
Operating Temp. Range	-55°C ~ +155°C			
Max. Working Voltage	250V	350V	500V	500V
Max. Overload Voltage	500V	700V	1000V	1000V
Dielectric withstanding voltage (ΔC)	1000V	1000V	1000V	1000V
Value Range ±5% (Ceramic core)	0.39 ~300Ω		0.51 ~1KΩ	
Value Range ±5% (Metal Oxide Film)	300 ~10KΩ		300 ~10KΩ	
Temp. Coefficient	±300ppm/°C			



Fef No. CM-SQH-03

- * a. Standard resistance is as the above list, below or over this resistance is on request.
- b. Value for Non-Inductive type is up to 50Ω only

ENVIRONMENTAL CHARACTERISTICS :

PERFORMANCE TEST	TEST METHOD	APPRAISE
Short Time Overload	JIS-C-5202 5.5 : 2.5 times RCWV for 5 seconds	(±2%+0.05Ω)
Dielectric Withstanding V.	JIS-C-5202 5.7 : in V-Block for 60 seconds	By Type
Temperature Coefficient	JIS-C-5202 5.2 : -55°C ~+155°C	MAX. 300ppm/°C
Insulation Resistance	JIS-C-5202 5.6 : in V-Block	≥ 1000 MΩ
Solderability	JIS-C-5202 6.5 : 235°C for 5±0.5 seconds	95% min. coverage
Resistance to Solvent	JIS-C-5202 6.9 : Trichroethane for 1 min. with ultrasonic	no deterioration
Terminal Strength	Direct load for 10 sec. In the direction of the terminal leads	≥ 2.5KG/24.5N
Pulse Overload	JIS-C-5202 5.8 : 4 time RCWV 10000 cycles(1 sec.on, 25 sec.off)	(±2%+0.05Ω)
Load Life in Humidity	JIS-C-5202 7.9 : 40±2°C, 90~95% RH at RCWV for 1000 hrs (1.5hrs. on,	(5%+0.05Ω)
Load Life	JIS-C-5202 7.10 : 70°C at RCWV for 1000hrs (1.5hrs.on, 0.5hrs.off)	(±5%+0.05Ω)
Temperature Cycling	JIS-C-5202 7.4 : 65°C~room temp.~150°C~room temp for 5 cycle	(±2%+0.05Ω)
Soldering Heat	JIS-C-5202 6.4 : 350±10°C for 3±0.5 seconds	(±1%+0.05Ω)

*Rated continuous Working Voltage (RCWV) = $\sqrt{\text{power rating} \times \text{resistance value}}$

