

Cement Resistors (Radial Type, Snap-In Lead)



SQZ Series

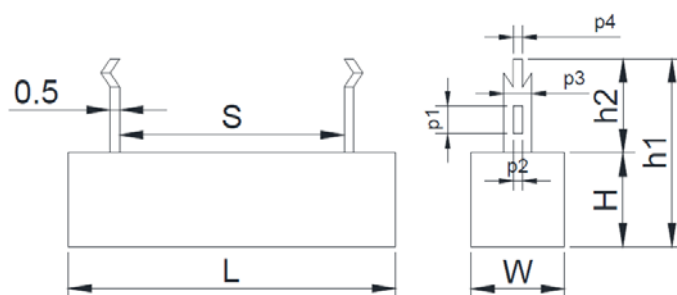
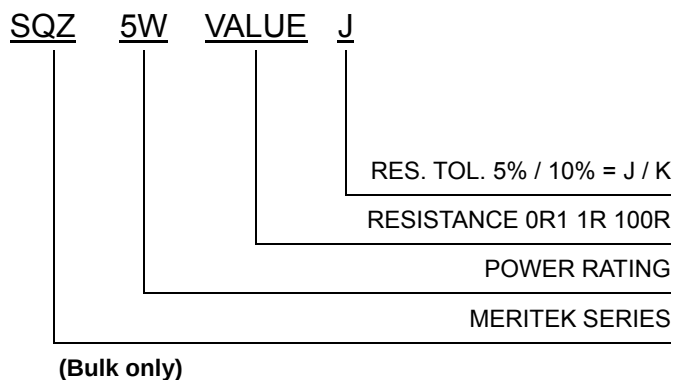
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FEATURES

- Low noise
- Instance overload capability; long term stability
- Excellent insulation being used in PCB
- Excellent heat dissipation; small linear
- Metal oxide film cutting core can offer high range resistance (1Ω--100KΩ)
- Operating temperature range
 - Wire Wound:-55°C--+155°C
 - Metal Oxide:-30°C--+155°C



PART NUMBERING SYSTEM



SPECIFICATIONS

SQZ	RESISTANCE RANGE Ω		DIMENSIONS(mm)									
	Wire Wound	Metal Oxide	L	H	W	S	H1	H2	P1	P2	P3	P4
3WS	0.1-- 50 Ω	50 Ω -- 33K Ω	25	9.5	9.5	10	24	9.5	4	2	7	1.4
5WS	0.1-- 50 Ω	50 Ω -- 50K Ω	25	9.5	9.5	10	24	9.5	4	2	7	1.4
5W	0.1 -- 100 Ω	100 Ω -- 50K Ω	27	9.5	9.5	15	24	9.5	4	2	7	1.4
7W	0.1-- 500 Ω	500 Ω -- 50K Ω	35	9.5	9.5	22.5	24	9.5	4	2	7	1.4
10W	0.2 -- 500 Ω	500 Ω -- 50K Ω	48	9.5	9.5	32.5	24	9.5	4	2	7	1.4
15W	0.5-- 500 Ω	500 Ω -- 150K Ω	48	12.5	12.5	32.5	34.5	15	7	6	10	2.7
20W	1-- 50 Ω	500 Ω -- 150K Ω	63.5	12.5	12.5	42.5	34.5	15	7	6	10	2.7

1. Resistance ranges listed above are standard parts, resistance below or over this range is available upon request.
2. Non-inductive type available up to 50 ohms.

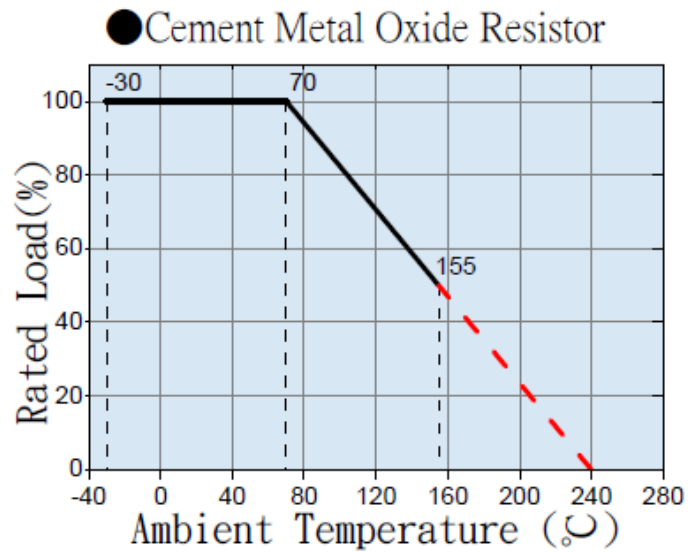
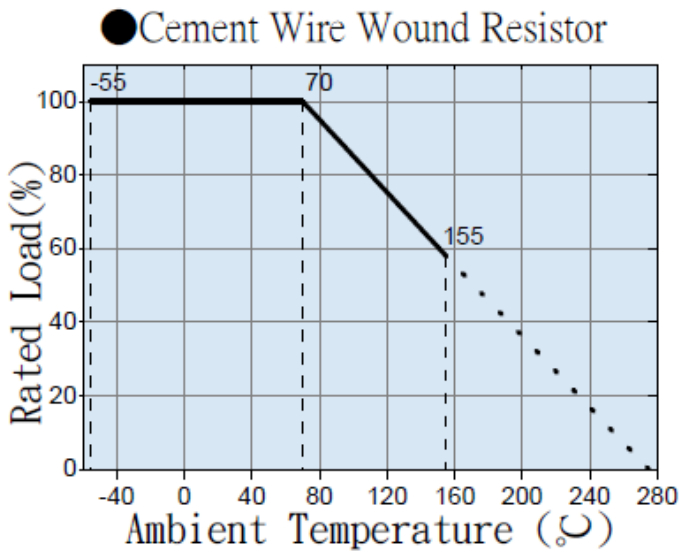
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POWER DERATING CURVE



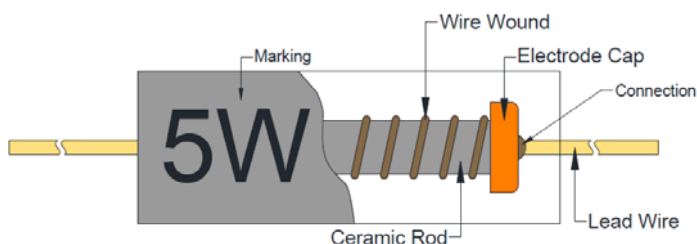
PERFORMANCE

Performance test	Test method	Wire wound	Metal oxide
Short time overload	JIS-C-5202 5.5 10 times RCWV for 5 seconds	±(2%+0.05Ω)	±(0.25%+0.05Ω)
Temperature coefficient	Resistance value at room temperature and room temperature+100°C	±400ppm	±200ppm
Load life	JIS-C5202 7.10 70°C at RCWV for 1000hrs.(1.5hrs. On, 0.5hrs.off)	±(5%+0.05Ω)	±(1.5%+0.05Ω)
Load life in humidity	JIS-C5202 7.9 40±2°C 90~95%rh at RCWV for 1000hrs. (1.5hrs. On, 0.5hrs.off)	±(5%+0.05Ω)	±(1.5%+0.05Ω)
Solder ability	JIS-C5202 6.5 235±5°C for 2±0.5 seconds	95% min. Coverage	95% min. Coverage
Pulse overload	JIS-C5202 5.8	Max.1500v	Max.1500v
	4 times RCWV for 10000cycles(1sec.on, 25secs. off)	±(1%+0.05Ω)	±(1%+0.05Ω)
Dielectric withstanding volt		Max.1000v	Max.1000v

Rated continuous Working Voltage (RCWV) = $\sqrt{\text{POWER.RATING.} * \text{RESISTANCE.VALUE}}$

CONSTRUCTION

Cement Wire Wound Resistor



Cement Metal Oxide Resistor

