

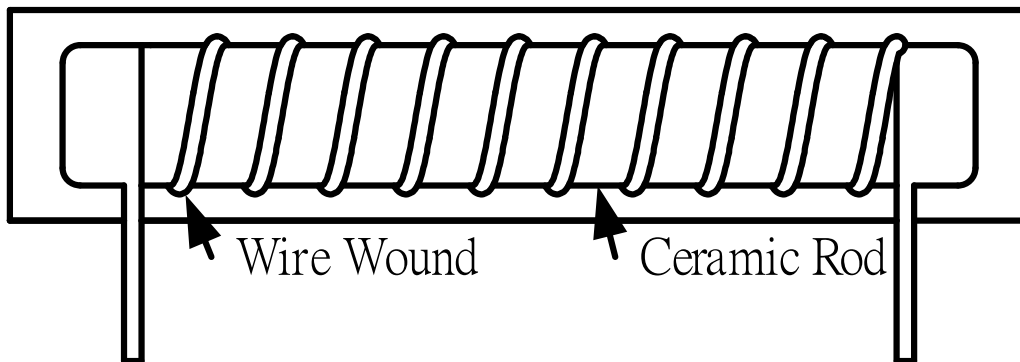
## FEATURE

1. Low noise .
2. Instance overload capability; long term stability .
3. Excellent insulation being used in P.C.B.
4. Excellent heat dissipation; small linear .
5. Operating temperature range
  - Wire Wound :  $-55^{\circ}\text{C} \sim +155^{\circ}\text{C}$
  - Metal oxide :  $-30^{\circ}\text{C} \sim +155^{\circ}\text{C}$

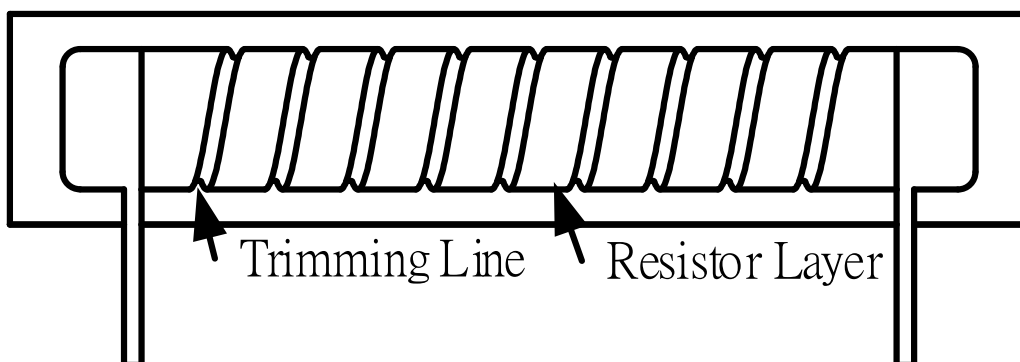


## ★Construction

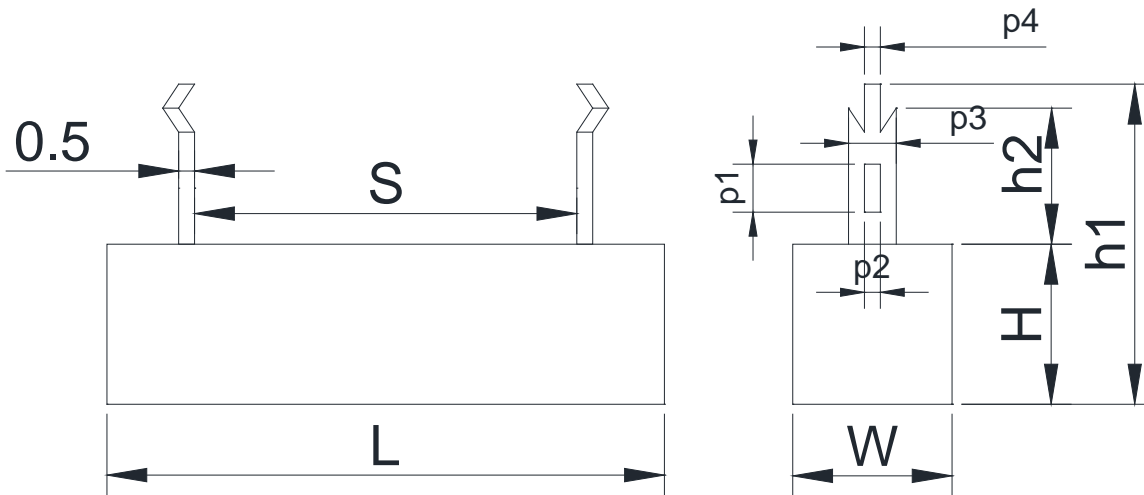
### Cement Wire Wound Resistor



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★DIMENSIONS

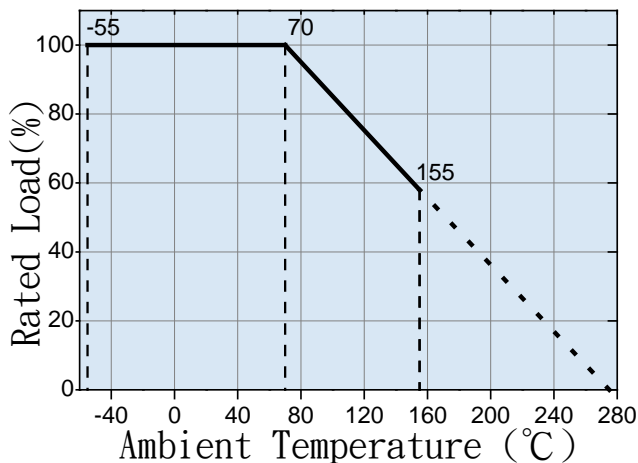


SQZ	RESISTANCE RANGE $\Omega$		DIMENSIONS(mm)									
	Wire Wound	Metal Oxide	L $\pm 1.5$	H $\pm 1.0$	W $\pm 1.0$	S $\pm 1.5$	h1 $\pm 1.5$	h2 $\pm 1.5$	p1 $\pm 0.5$	p2 $\pm 0.5$	p3 $\pm 0.5$	p4 $\pm 0.5$
5WS	0.1 ~ 50 $\Omega$	51 $\Omega$ ~ 50K $\Omega$	25	9.5	9.5	10	24	9.5	4.6	2	7.2	1.4
5W	0.1 ~ 100 $\Omega$	101 $\Omega$ ~ 50K $\Omega$	27	9.5	9.5	15	24	9.5	4.6	2	7.2	1.4
7W	0.1 ~ 500 $\Omega$	501 $\Omega$ ~ 50K $\Omega$	35	9.5	9.5	22.5	24	9.5	4.6	2	7.2	1.4
10W	0.2 ~ 500 $\Omega$	501 $\Omega$ ~ 50K $\Omega$	48	9.5	9.5	32.5	24	9.5	4.6	2	7.2	1.4
15W	0.5 ~ 500 $\Omega$	501 $\Omega$ ~ 150K $\Omega$	48	12.5	12.5	32.5	35	15	6.8	5	10.3	3
20W	1 ~ 500 $\Omega$	501 $\Omega$ ~ 150K $\Omega$	63.5	12.5	12.5	42.5	35	15	6.8	5	10.3	3

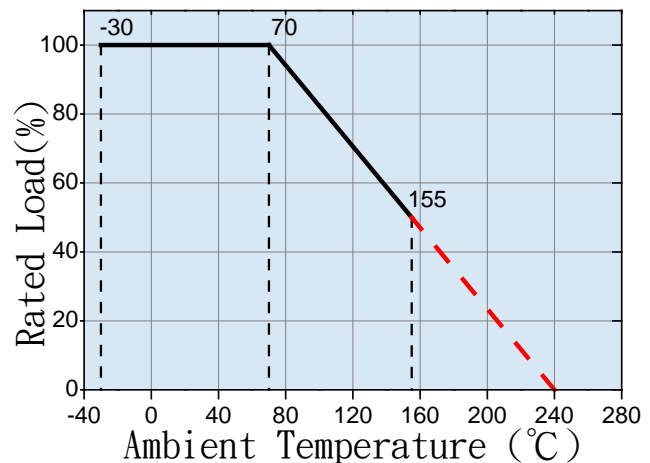
Resistance Range for standard resistance , below or over this resistance on request.

★Power Derating Curve

●Cement Wire Wound Resistor



●Cement Metal Oxide Resistor



★ENVIRONMENTAL CHARACTERISTICS

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 for1000hrs. (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 4 times RCWV for10000 cycles (1sec.on , 25secs.off)	MAX.1500V ±(1%+0.05Ω)	MAX.1500V ±(1%+0.05Ω)
Dielectric Withstanding volt		MAX.1000V	MAX.1000V

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

★PART NUMBER:

