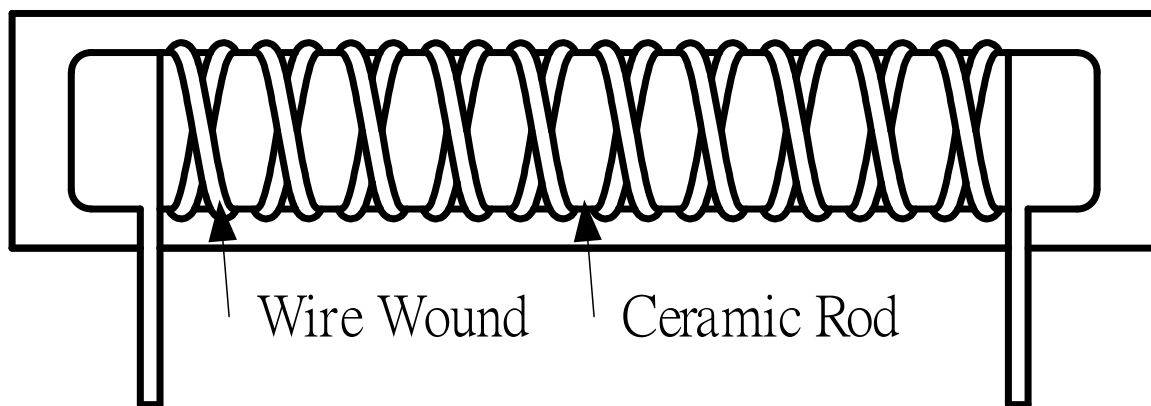


FEATURE

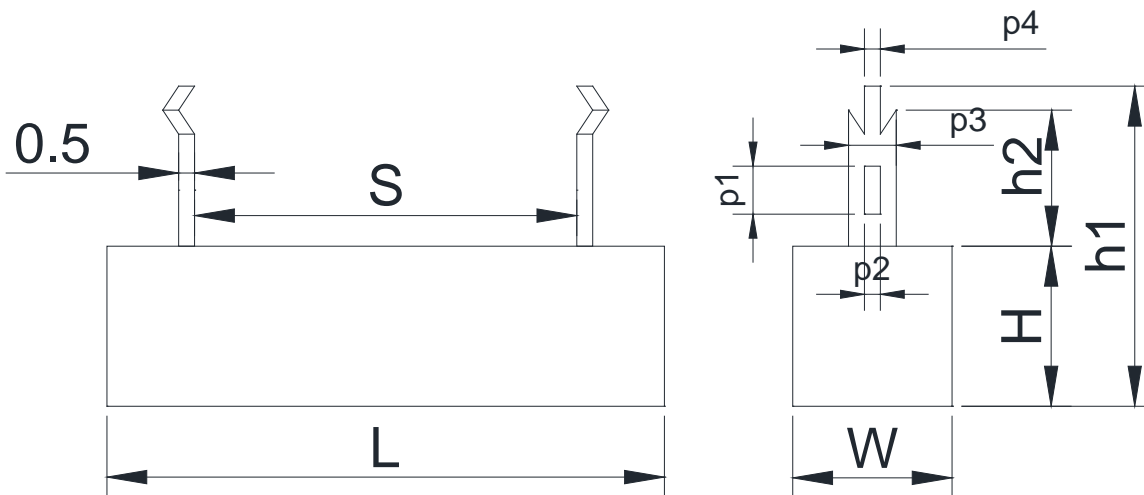
1. Low noise .
2. Instance overload capability; long term stability .
3. Excellent insulation being used in P.C.B.
4. Excellent heat dissipation; small linear .
5. Operating temperature range
 - Wire Wound : $-55^{\circ}\text{C} \sim +155^{\circ}\text{C}$



★ Construction



★DIMENSIONS

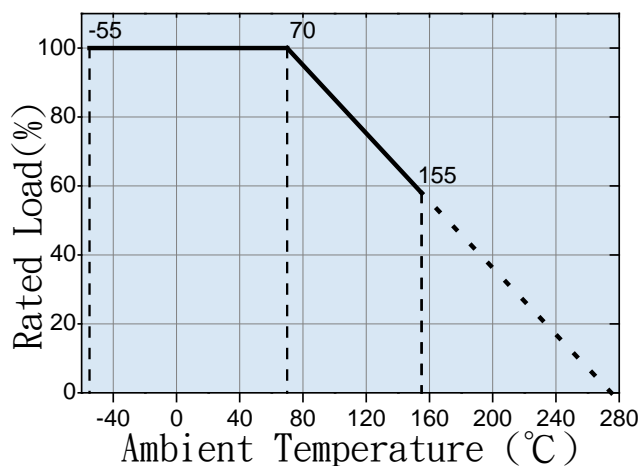


SZN	RESISTANCE RANGE	DIMENSIONS(mm)									
		L ±1.5	H ±1.0	W ±1.0	S ±1.5	h1 ±1.5	h2 ±1.5	p1 ±0.5	p2 ±0.5	p3 ±0.5	p4 ±0.5
5WS	0.1 ~ 15 Ω	25	9.5	9.5	10	24	9.5	4.6	2	7.2	1.4
5W	0.1 ~ 33 Ω	27	9.5	9.5	15	24	9.5	4.6	2	7.2	1.4
7W	0.1 ~ 150 Ω	35	9.5	9.5	22.5	24	9.5	4.6	2	7.2	1.4
10W	0.2 ~ 150 Ω	48	9.5	9.5	32.5	24	9.5	4.6	2	7.2	1.4
15W	0.5 ~ 150 Ω	48	12.5	12.5	32.5	35	15	6.8	5	10.3	3
20W	1 ~ 150 Ω	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



★ENVIRONMENTAL CHARACTERISTICS

PERFORMANCE TEST	TEST METHOD	Wire Wound
SHORT TIME OVERLOAD	JIS-C-5202 5.5 10 times RCWV for 5 seconds	±(2%+0.05 Ω)
TEMPERATURE COEFFICIENT	Resistance value at room Temperature and room Temperature+100°C	±400ppm
LOAD LIFE	JIS-C5202 7.10 70°C at RCWV for 1000hrs (1.5hrs. on , 0.5hrs.off)	±(5%+0.05 Ω)
LOAD LIFE IN HUMIDITY	JIS-C5202 7.9 40±2°C 90~95%RH at RCWV for1000hrs. (1.5hrs. on , 0.5hrs.off)	±(5%+0.05 Ω)
SOLDER ABILITY	JIS-C5202 6.5 235±5°C for 2±0.5 seconds	95% min. coverage
PULSE OVERLOAD	JIS-C5202 5.8 4 times RCWV for10000 cycles (1sec.on , 25secs.off)	MAX.1500V ±(1%+0.05 Ω)
Dielectric Withstanding volt		MAX.1000V

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

★PART NUMBER:

SZN	5W	3K	J
↓	↓	↓	↓
Type	Power rating	Resistance	Tolerance
Cement SZN Type	5WS	1R 1Ω	F ± 1%
	5W	10R 10Ω	G ± 2%
	J ± 5%
	15W	1K2 1K2Ω	K ± 10%
	20W	10K 10KΩ	