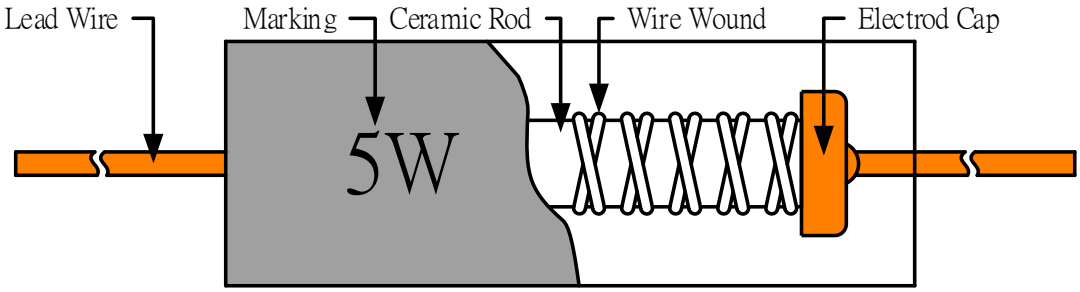
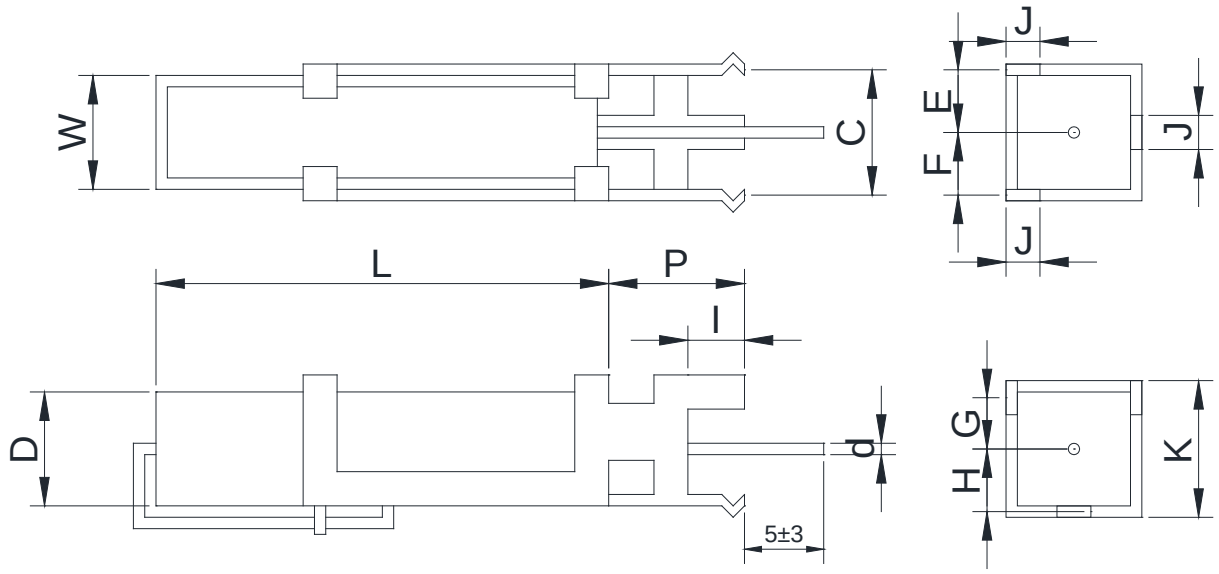
1. Low noise .
2. Instance overload capability; long term stability .
3. Excellent insulation being used in P.C.B.
4. Excellent heat dissipation; small linear .
5. Metal oxide film cutting core can offer high range resistance (1Ω~100K)
6. Operating temperature range
   - Wire Wound：-55℃~+155℃
   - Metal oxide：-30℃~+155℃
7. The special products can be used metal glazed (hi voltage； hi value)

★Construction



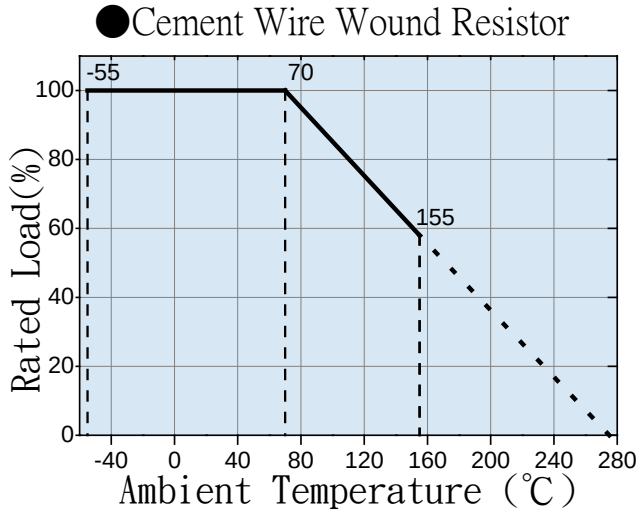
★DIMENSIONS



SSN	DIMENSIONS													RESISTANCE RANGE
	W±1	D±1	L±1	C±1	K±1	E±0.5	F±0.5	G±0.5	H±0.5	I±0.5	J±0.2	P±0.2	d±0.03	
5W	10	9	22	10.5	10	5	5	5	5	4	1.5	5	0.78	0.1 Ω ~ 15 Ω
7W	10	9	35	10.5	10	5	5	5	5	4	1.5	5	0.78	0.1 Ω ~ 33Ω
10W	10	9	48	10.5	10	5	5	5	5	4	1.5	10	0.78	0.1 Ω ~ 33 Ω
20W	14	14	60	15	15	6.5	6.5	5.5	5.5	5.5	2.5	10	0.78	0.1 Ω ~ 33 Ω
25W	14	14	60	15	15	6.5	6.5	5.5	5.5	5.5	2.5	10	0.78	0.1 Ω ~ 33 Ω

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

★Power Derating Curve



★ENVIRONMENTAL CHARACTERISTICS

PERFORMANCE TEST	TEST METHOD	Wire Wound
SHORT TIME OVERLOAD	JIS-C-5202 5.5 2.5 times RCWV for 5 seconds	±(2%+0.05Ω)
TEMPERATURE COEFFICIENT	Resistance value at room Temperature and room Temperature+100℃	±400ppm
LOAD LIFE	JIS-C5202 7.10 70℃ at RCWV for1000hrs.(1.5hrs. on，0.5hrs.off)	±(5%+0.05Ω)
LOAD LIFE IN HUMIDITY	JIS-C5202 7.9 40±2℃ 90~95%RH at RCWV for1000hrs. (1.5hrs. on，0.5hrs.off)	±(5%+0.05Ω)
SOLDER ABILITY	JIS-C5202 6.5 235±5℃ 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%+0.05Ω)
Dielectric Withstanding volt		MAX.1000V

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

★PART NUMBER:

SSN
↓
Type
Non inductive Cement SSN Type

5W
↓
Power rating
5W
7W
10W
20W
25W

3K	
↓	
Resistance	
0R5	0.5Ω
1R5	1.5Ω
.....	
10R	10Ω
33R	33Ω

J	
↓	
Tolerance	
F	± 1%
G	± 2%
J	± 5%
K	± 10%
M	± 20%