

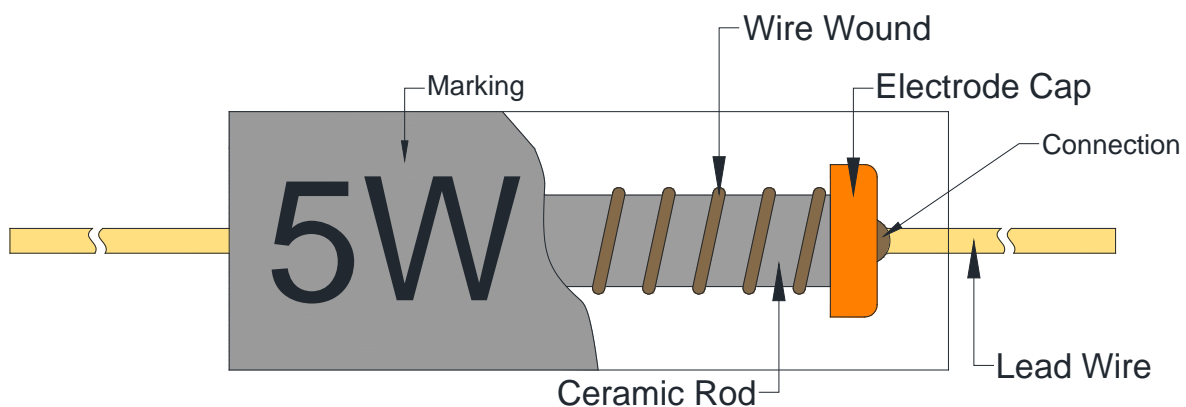
FEATURE

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. Metal oxide film cutting core can offer high range resistance (1 Ω ~100K)
6. Operating temperature range
 - Wire Wound : -55°C~+155°C
 - Metal oxide : -30°C~+155°C
7. The special products can be used metal glazed (hi voltage ; hi value)

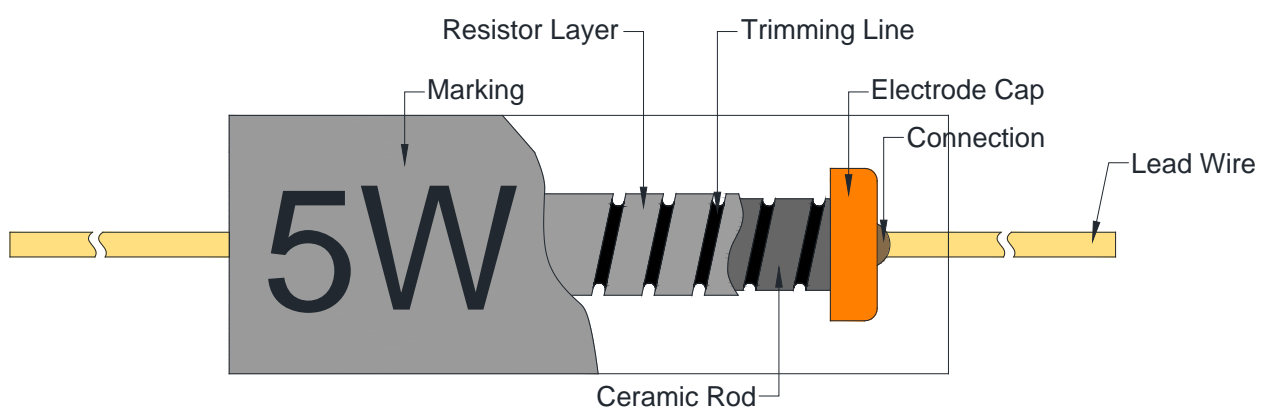


★Construction

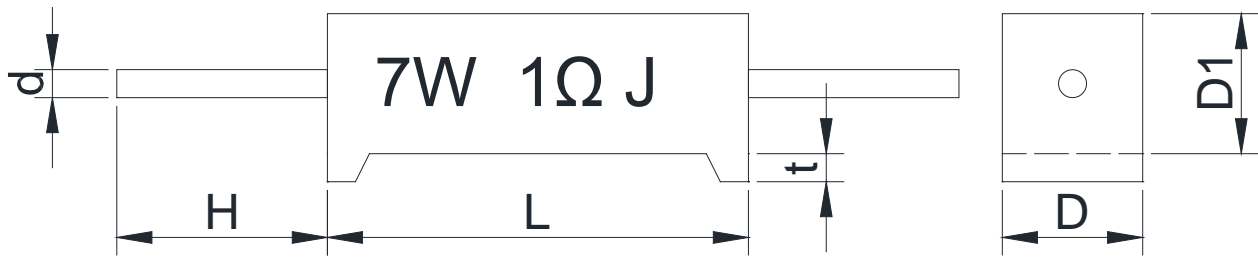
Cement Wire Wound Resistor



Cement Metal Oxide Resistor



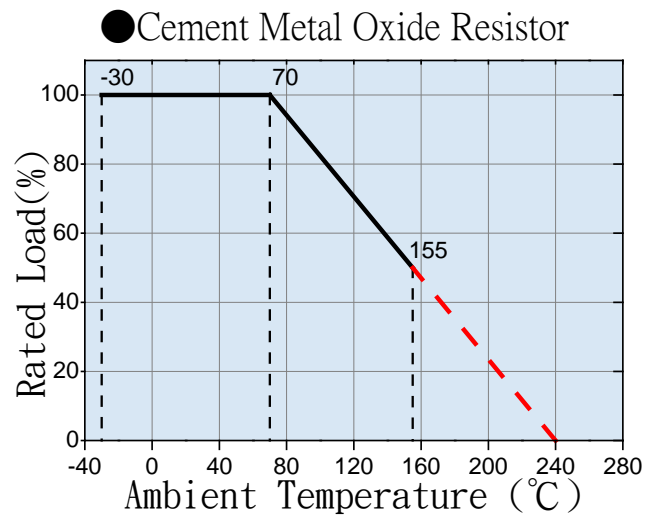
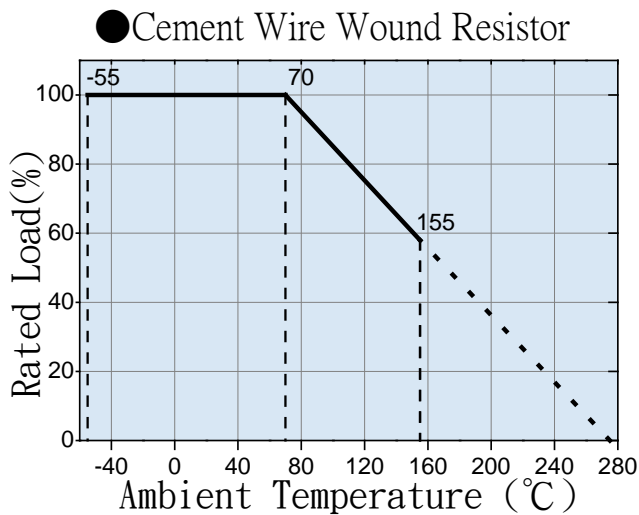
★DIMENSIONS



SQT	DIMENSION(mm)						Value Range		Max working voltage
	L±0.5	H ±3	D±1	D1±1	t±0.5	d±0.03	Wire Wound	Metal oxide	
5W	22	27	10	9	1.5	0.8	0.1 Ω ~50 Ω	50 Ω ~50K	350V
7W	35	27	10	9	3	0.8	0.1 Ω ~100 Ω	100 Ω ~47K	500V
10W	48	27	10	9	3	0.8	0.1 Ω ~100 Ω	100 Ω ~47K	750V
15W	48	27	12.5	12.5	3	0.8	0.1 Ω ~100 Ω	100 Ω ~47K	750V
20W	60	27	13	14	5	0.8	0.1 Ω ~100 Ω	100 Ω ~47K	750V
25W	60	27	13	14	5	0.8	0.1 Ω ~100 Ω	100 Ω ~47K	750V

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

★Power Derating Curve



★ENVIRONMENTAL CHARACTERISTICS

PERFORMANCE TEST	TEST METHOD	Wire Wound	Metal Oxide
SHORT TIME OVERLOAD	JIS-C-5202 5.5 2.5 times RCWV for 5 seconds	±(2%+0.05 Ω)	±(0.25%+0.05 Ω)
TEMPERATURE COEFFICIENT	Resistance value at room Temperature and room Temperature+100°C	±200ppm	±200ppm
LOAD LIFE	JIS-C5202 7.10 70°C at RCWV for1000hrs.(1.5hrs. on , 0.5hrs.off)	±(5%+0.05 Ω)	±(1.5%+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)	±(1.5%+0.05 Ω)
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 for10000cycles(1sec.on , 25secs.off)	±(1%+0.05 Ω)	±(1%+0.05 Ω)
Dielectric Withstanding volt		MAX.1000V	MAX.1000V

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

★PART NUMBER:

SQT
↓
Type
Cement SQT Type

5W
↓
Power rating
5W
7W
10W

3K	
↓	
Resistance	
1R	1 Ω
10R	10 Ω
100R	100 Ω
1K2	1K2 Ω
10K	10K Ω

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