

Cement Resistor

Axial Type

SQT Series

MERITEK

RELIABILITY

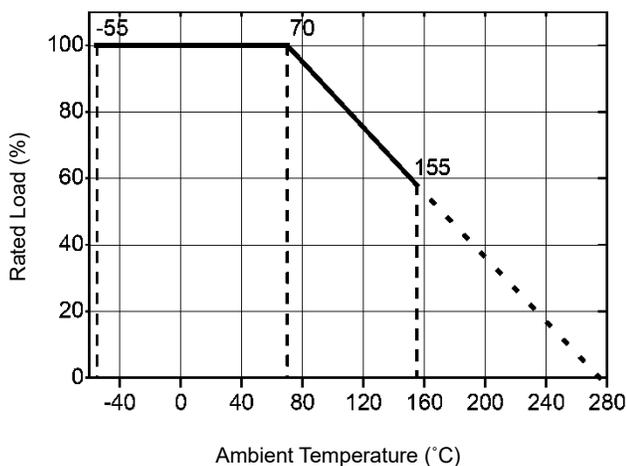
Test	Condition	Requirement	
		Wire Wound	Metal Oxide
Operating Temperature Range	-	-50°C to +155°C	-30°C to +155°C
Temperature Coefficient Resistance	Resistance value at Room Temperature and +100°C	±200ppm	±200ppm
Dielectric Withstanding Voltage	In V-Block for 60 seconds	MAX.1000V	MAX.1000V
Load Life	70°C at RCWV for 1000 hrs, (1.5 hrs. on, 0.5 hrs. off)	±(5%+0.05Ω)	±(1.5%+0.05Ω)
Short Time Overload	Rated Voltage X 10 for 5 seconds	±(2%+0.05Ω)	±(0.25%+0.05Ω)
Load Life in Humidity	40±2°C, 90~95%RH at RCWV for 1000 hrs. (1.5 hrs. on, 0.5 hrs. off)	±(5%+0.05Ω)	±(1.5%+0.05Ω)
Solderability	235±5°C for 2±0.5 seconds	95% Min Coverage	95% Min Coverage
Pulse Overload	4 times RCWV for 10000 cycles (1sec.on, 25secs.off)	±(1%+0.05Ω)	±(1%+0.05Ω)

Notes:

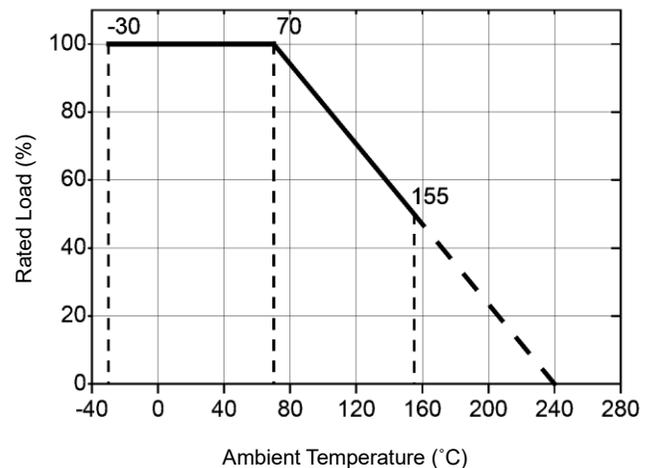
1. Rated Continuous Working Voltage (RCWV) = $\sqrt{\text{Power Rating} * \text{Resistance Value}}$

CHARACTERISTIC CURVES

Cement Wire Wound Resistor

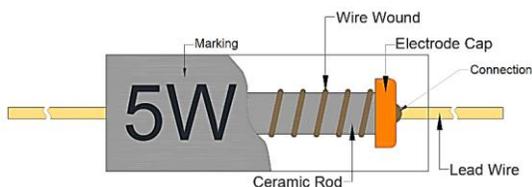


Cement Metal Oxide Resistor

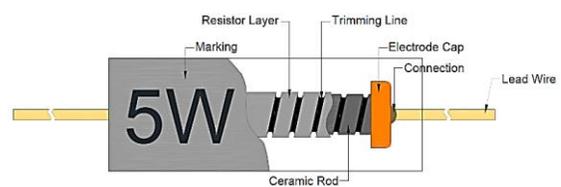


CONSTRUCTION

Cement Wire Wound Resistor



Cement Metal Oxide Resistor



*Specifications subject to change without notice.