



RQA

Ceramic Encased Wire Wound Resistors



■ GENERAL SPECIFICATIONS

Model	Wattage [W]	Resistance Range [Ω]			Resistance Tolerance
		Glass Fiber Core [GC]	Ceramic Core [CC]	Metal Oxide Film [MO]	
RQA 05	5	0.1~500	0.1~3.0K	10~27K	$R \leq 1\Omega : \pm 10\%$ $R > 1\Omega : \pm 5\%$
RQA 07	7	0.2~1.0K	0.3~5.0K	10~56K	
RQA 10	10	0.5~1.5K	0.3~10K	10~75K	
RQA 15	15	1.0~1.5K	0.5~12K	10~100K	
RQA 20	20	1.0~2.0K	0.5~15K	10~100K	

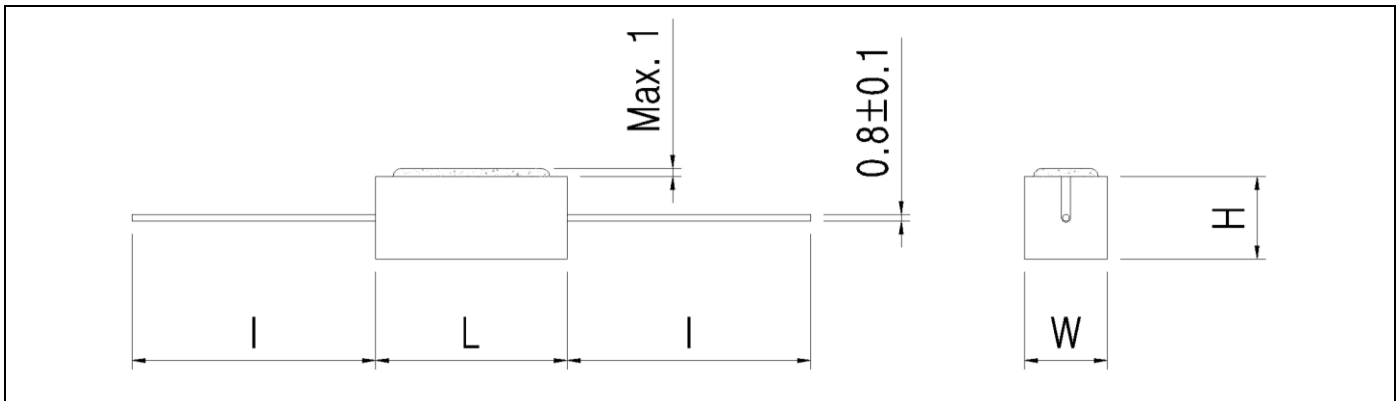
■ CHARACTERISTICS

Values in [] mean change in Ω after test

Temperature Range	-25 $^{\circ}$ C~155 $^{\circ}$ C	
Insulation Resistance	DC500V, 20M Ω Minimum	
Dielectric Withstanding Voltage	AC 1500V for 1minute	
Temp. Coefficient	GC, CC : $\pm 260\text{ppm}/^{\circ}\text{C}$. ; MO : $\pm 400\text{ppm}/^{\circ}\text{C}$	
Short Time Overload	$\Delta R \pm [2\% + 0.05\Omega]$	10 Times rated power for 5 sec.
Moisture Resistance	$\Delta R \pm [3\% + 0.05\Omega]$	DC 100V, 40 $^{\circ}$ C 95% RH, 500h
Thermal Shock	$\Delta R \pm [2\% + 0.05\Omega]$	Power Rating 30 min., -25 $^{\circ}$ C 15min.
Moisture Load Life	$\Delta R \pm [3\% + 0.05\Omega]$	40 $^{\circ}$ C 95% RH, 10% Power Rating 90min.-ON, 30min.-OFF, 500H
Load Life	$\Delta R \pm [5\% + 0.05\Omega]$	Power Rating 90min.-ON, 30min.-OFF, 500H
Solderability	75% Coverage minimum	

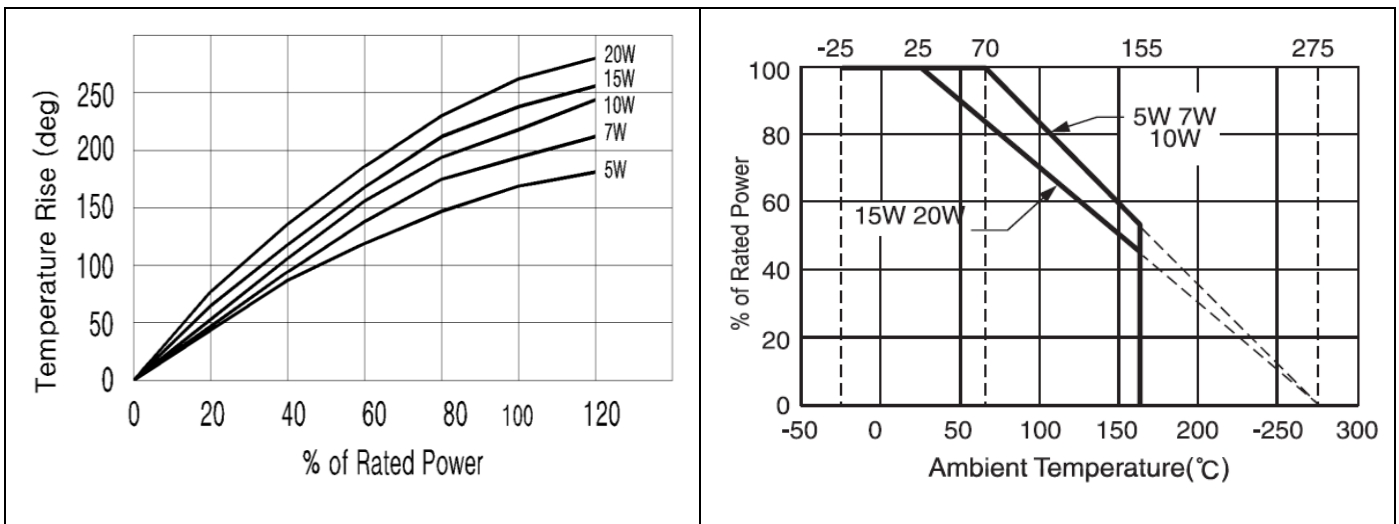
Note : Applied voltage : AC RMS voltage

DIMENSIONS



Power Rating [W]	Dimensions [mm]			
	L	W	H	I
5	22±1.5	9.5±1.0	9.5±1.0	28±3
7	35±1.5	9.5±1.0	9.5±1.0	GC, CC : 27±3 MO : 23±3
10	47±1.5	9.5±1.0	9.5±1.0	27±3
15	47±1.5	12.5±1.2	12.5±1.2	27±3
20	63±2.0	12.5±1.2	12.5±1.2	24±3

SURFACE TEMPERATURE INCREASE VERSUS POWER LOAD AND DERATING CURVE



ORDERING PROCEDURE EXAMPLE

