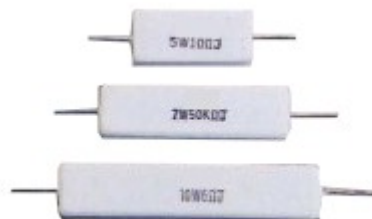


## RQA CERAMIC ENCASED WIRE WOUND RESISTORS



### Features

- Ohmic values from 0.1 to 100K
- Rated power from 2 to 20W
- Economical solution



### GENERAL SPECIFICATIONS AND DIMENSIONS

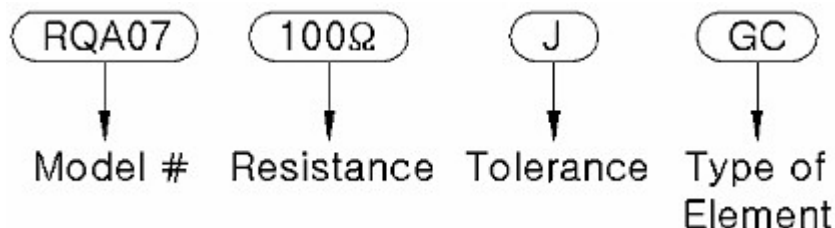
Model	Wattage Rating	Resistance Range( $\Omega$ )			Resistance Tolerance
		Glass Fiber Core (GC)	Ceramic Core (CC)	Metal Oxide Film (MO)	
RQA 02	2W	0.1-200	0.1-500	10-13K	R $\leq$ 1 $\Omega$ : $\pm$ 10% R>1 $\Omega$ : $\pm$ 5%
RQA 03	3W	0.1-300	0.1-1.0K	10-22K	
RQA 05	5W	0.1-500	0.1-3.0K	10-27K	
RQA 07	7W	0.2-1.0K	0.3-5.0K	10-56K	
RQA 10	10W	0.5-1.5K	0.3-10K	10-75K	
RQA 15	15W	1.0-1.5K	0.5-12K	10-100K	
RQA 20	20W	1.0-2.0K	0.5-15K	10-100K	

### CHARACTERISTICS

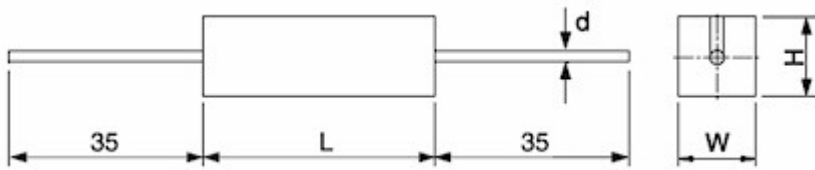
Values in [ ] mean change in  $\Omega$  after test

Temperature Range		-25C-155C
Insulation Resistance		DC500V, 20M $\Omega$ Minimum
Dielectric Withstanding Voltage		AC 1500V for 1minute
Temp. Coefficient		Less than 1 $\Omega$ :490-1300ppm/C. More than 1 $\Omega$ :490ppm/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, 40C 95% RH, 500h
Thermal Shock	$\Delta R \pm [2\% + 0.05\Omega]$	Power Rating 30 min., -25C 15min.
Moisture Load Life	$\Delta R \pm [3\% + 0.05\Omega]$	40C 95% RH, 10% Power Rating 90min.-ON
Load Life	$\Delta R \pm [5\% + 0.05\Omega]$	Power Rating 90min.-ON, 30min.-OFF
Solderability		75% Coverage minimum

### ORDERING PROCEDURE EXAMPLE

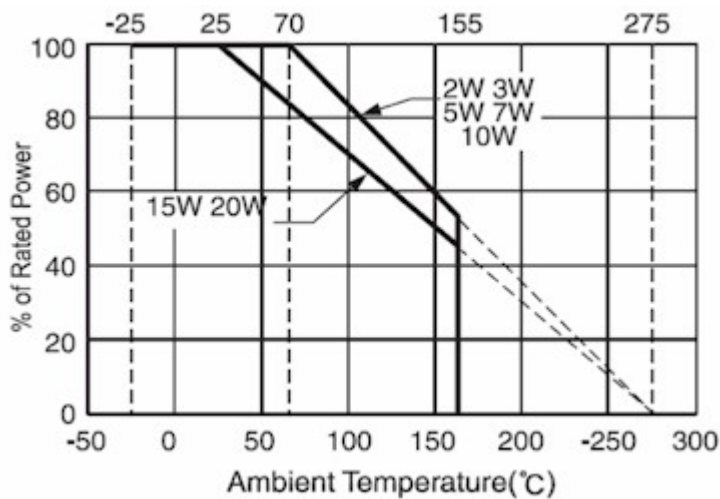


## DIMENSIONS



Power Rating(W)	Dimensions(mm)			
	L	W	H	d±0.1
2	17.5+1.2	6.4+1.0	6.4+1.0	0.8
3	22+1.5	8.0+1.0	8.0+1.0	0.8
5	22+1.5	9.5+1.0	9.0+1.0	0.8
7	35+1.5	9.5+1.0	9.0+1.0	0.8
10	48+1.5	9.5+1.0	9.0+1.0	0.8
15	48+1.5	12.5+1.2	12.5+1.2	0.8
20	63.5+2.0	12.5+1.2	12.5+1.2	0.8

## DERATING CURVE



## SURFACE TEMPERATURE INCREASE VERSUS POWER LOAD

