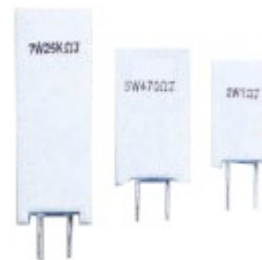


RQR CERAMIC ENCASED WIRE WOUND RESISTORS



Features

- Ohmic values from 0.1 to 75K
- Rated power from 2 to 10W
- Economical solution



GENERAL SPECIFICATIONS AND DIMENSIONS

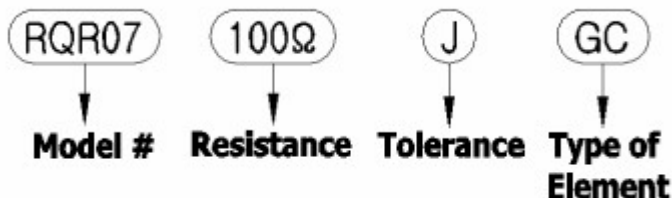
Model	Wattage Rating	Resistance Range(Ω)			Resistance Tolerance
		Glass Fiber Core (GC)	Ceramic Core (CC)	Metal Oxide Film (MO)	
RQR 02	2W	0.1-200	0.1-500	10-13K	R≤1Ω:±10% R>1Ω:±5%
RQR 03	3W	0.1-300	0.1-1.0K	10-22K	
RQR 05	5W	0.1-500	0.1-3.0K	10-27K	
RQR 07	7W	0.2-1.0K	0.3-5.0K	10-56K	
RQR 10	10W	0.5-1.5K	0.3-10K	10-75K	

CHARACTERISTICS

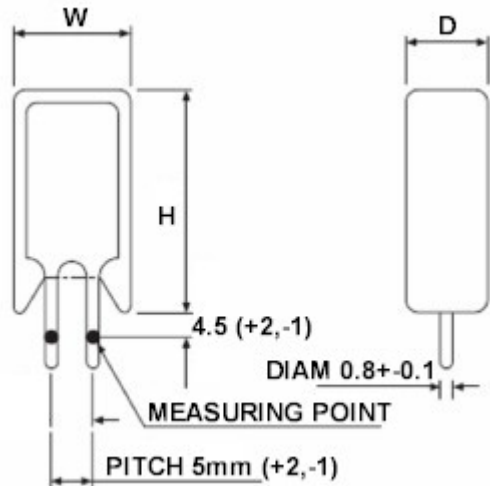
Values in [] mean change in Ω after test

Temperature Range		-25C-155C
Insulation Resistance		DC500V, 20MΩ Minimum
Dielectric Withstanding Voltage		AC 1500V for 1minute
Temp. Coefficient		Less than 1Ω:490-1300ppm/C. More than 1Ω: 490ppm/C
Short Time Overload	ΔR±[2%+0.05Ω]	10 Times rated power for 5 sec.
Moisture Resistance	ΔR±[3%+0.05Ω]	DC 100V, 40C 95% RH, 500h
Thermal Shock	ΔR±[2%+0.05Ω]	Power Rating 30 min., -25C 15min.
Moisture Load Life	ΔR±[3%+0.05Ω]	40C 95% RH, 10% Power Rating 90min.-ON
Load Life	ΔR±[5%+0.05Ω]	Power Rating 90min.-ON, 30min.-OFF
Solderability		75% Coverage minimum

ORDERING PROCEDURE EXAMPLE

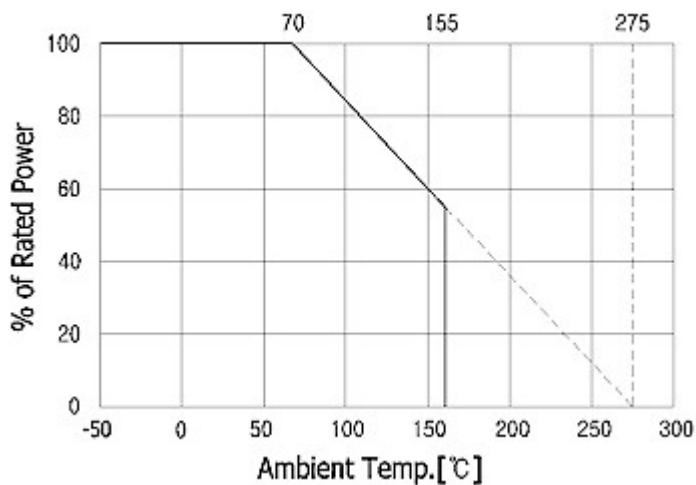


DIMENSIONS



Power Rating(W)	Dimensions(mm)		
	W	D	H
2	11±1	7±1	20.5±1.5
3	12±1	8±1	25±1.5
5	13±1	9±1	25.5±1.5
7	13±1	9±1	38.5±1.5
10	16±1	12±1	35±1.5

DERATING CURVE



SURFACE TEMPERATURE INCREASE VERSUS POWER LOAD

