

RQB CERAMIC ENCASED WIRE WOUND RESISTORS



Features

- Ohmic values from 0.1 to 100K
- Rated power from 5 to 20W
- Economical solution



■ GENERAL SPECIFICATIONS AND DIMENSIONS

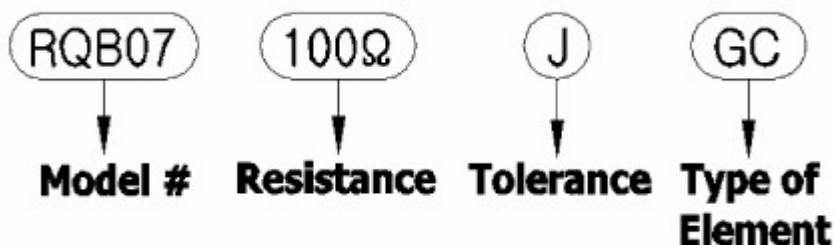
Model	Wattage Rating	Resistance Range(Ω)			Resistance Tolerance
		Glass Fiber Core (GC)	Ceramic Core (CC)	Metal Oxide Film (MO)	
RQB 05	5W	0.1-500	0.1-3.0K	10-27K	R≤1Ω:±10% R>1Ω:±5%
RQB 07	7W	0.2-1.0K	0.3-5.0K	10-56K	
RQB 10	10W	0.5-1.5K	0.3-10K	10-75K	
RQB 15	15W	1.0-1.5K	0.5-12K	10-100K	
RQB 20	20W	1.0-2.0K	0.5-15K	10-100K	

■ CHARACTERISTICS

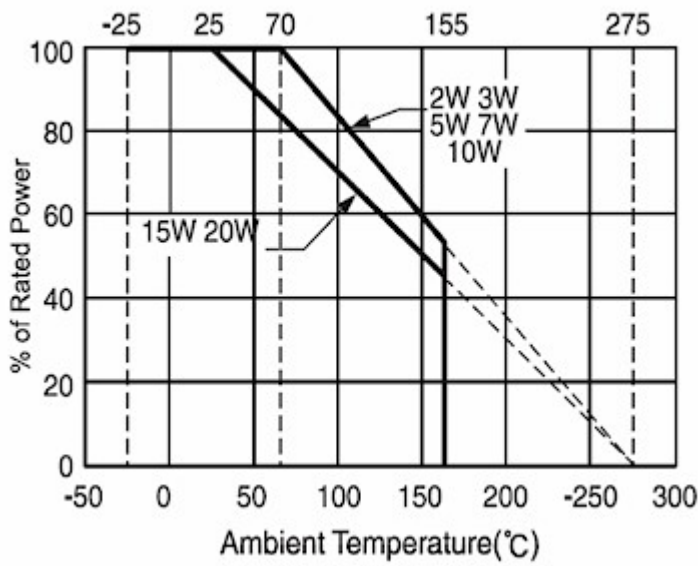
Values in [] mean change in Ω after test

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]	40□ 95% RH, 10% Power Rating 90min.-ON
Load Life	ΔR±[5%+0.05Ω]	Power Rating 90min.-ON, 30min.-OFF
Solderability		75% Coverage minimum

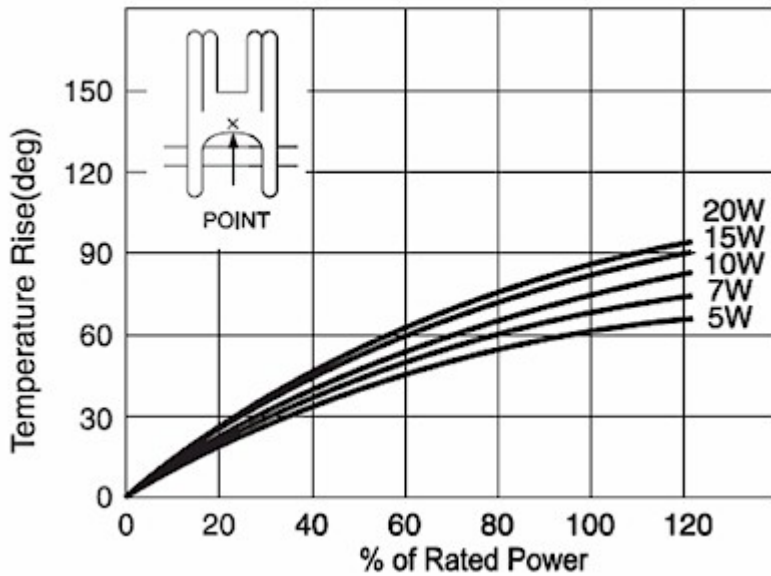
■ ORDERING PROCEDURE EXAMPLE



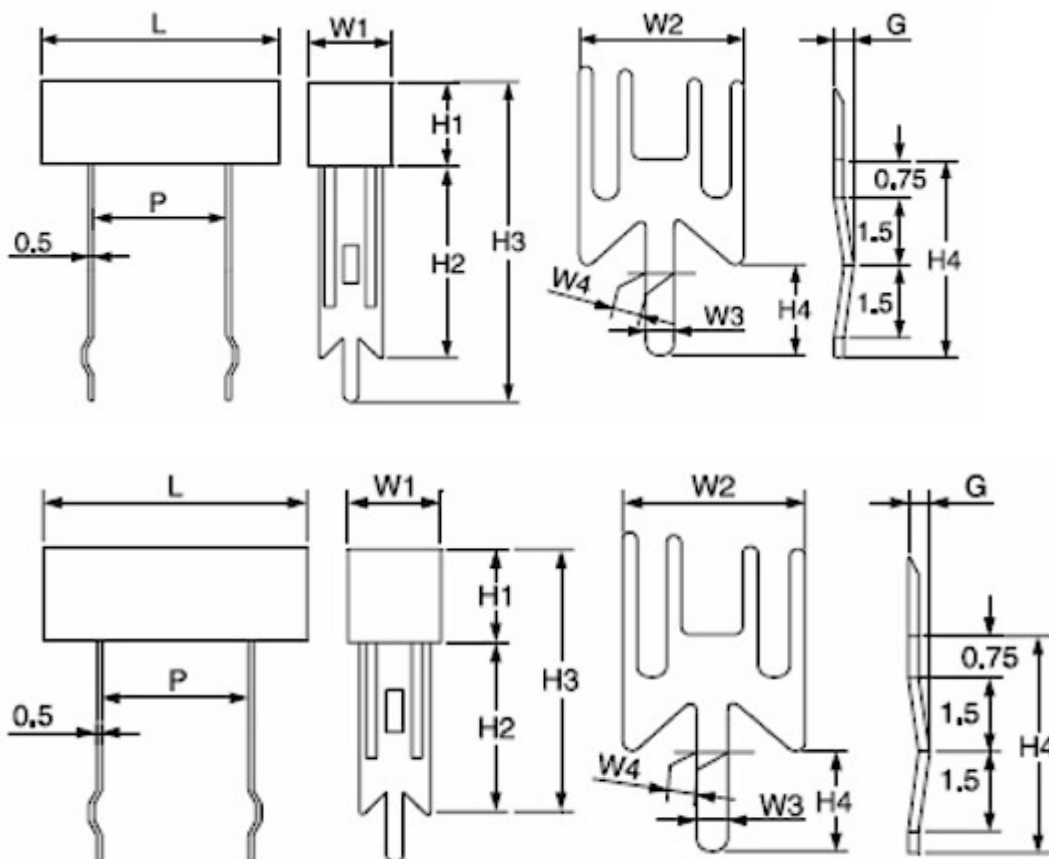
DERATING CURVE



SURFACE TEMPERATURE INCREASE VERSUS POWER LOAD

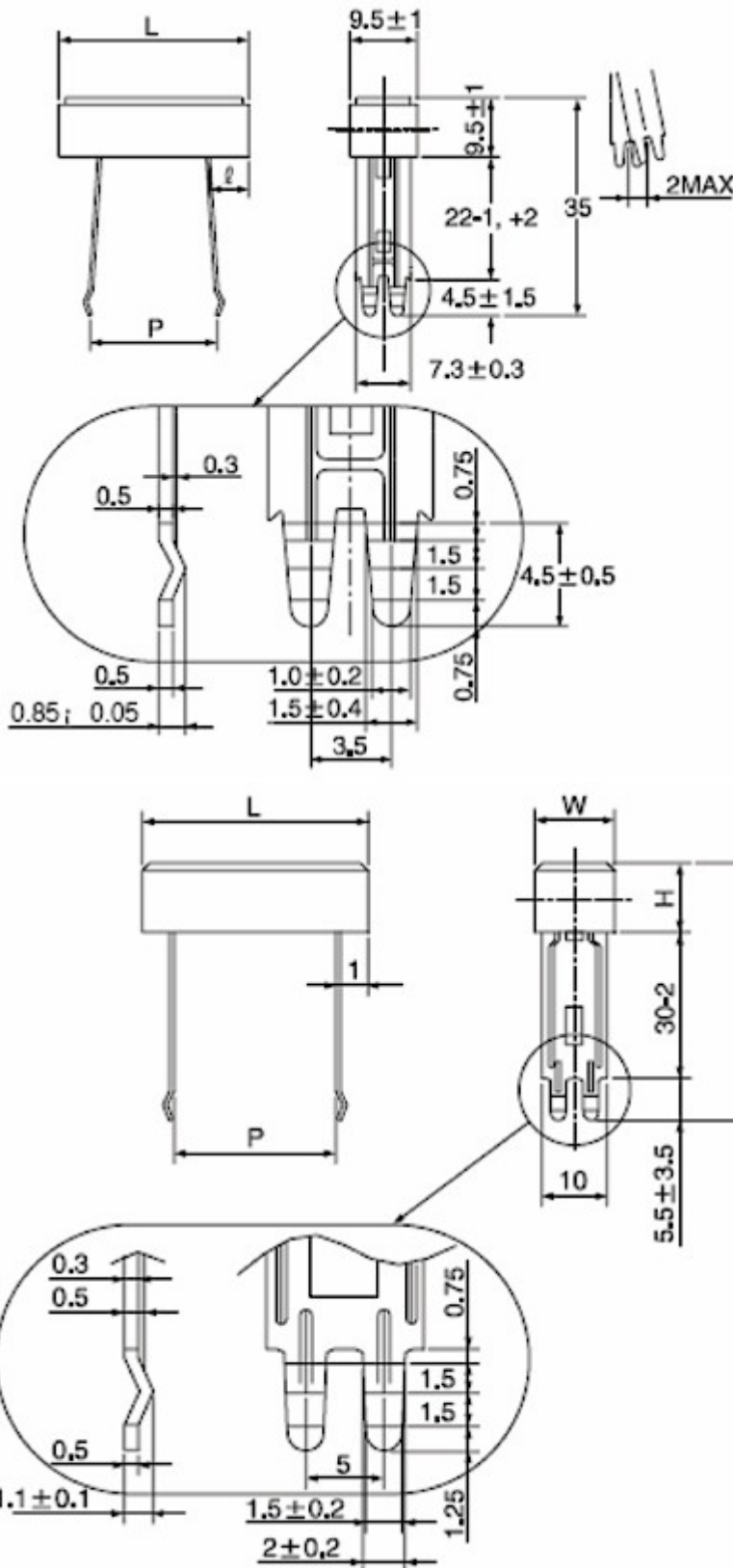


■ RQB(s, s3) DIMENSIONS



Power Rating(W)		Dimensions(mm)										
		L	P	W1	W2	W3	W4	H1	H2	H3	H4	G
5	S	27±1.5	15±1.5	9.5±1	7.5±0.3	1.4±0.2	1.6±0.2	9.5±1.0	25+1,-2	39±2	4.5±0.5	1.1
	S3								12+1,-2	25±2		
7	S	35±1.5	22.5±1.5	9.5±1	7.5±0.3	1.4±0.2	1.6±0.2	9.5±1.0	25+1,-2	39±2	4.5±0.5	1.1
	S3								12+1,-2	25±2		
10	S	48±1.5	35±1.5	9.5±1	7.5±0.3	1.4±0.2	1.6±0.2	9.5±1.0	25+1,-2	39±2	4.5±0.5	1.1
	S3								12+1,-2	25±2		
15	S	48±2	32.5±1.5	12.5±1.2	10±0.5	2.5±0.2	2.7±0.2	12.5±1.2	27+1,-2	45±2	5.5±0.5	1.1
	S3								15+1,-2	33±2		
20	S	63.5±2	47.5±2	12.5±1.2	10±0.5	2.5±0.2	2.7±0.2	12.5±1.2	27+1,-2	45±2	5.5±0.5	1.1
	S3								15+1,-2	33±2		

■ RQB (d) DIMENSIONS



Power Rating(W)	Dimensions(mm)				
	L	W	H	P	l
5	27±1.5	9.5±1	9.5±1	15+6,-2	6±1.5
7	35±1.5	9.5±1	9.5±1	22.5+6,-2	6.25±1.5
10	48±1.5	9.5±1	9.5±1	35+6,-2	6.5±1.5
15	48±2	12.5±1	12.5±0.2	32+4,0	7.5±1.5