

RQB series

High Power Ceramic Wire Wound Resistor



- Resistances from 0.1Ω to 100KΩ
- Tolerance 1% or 5%
- Power Ratings of 5, 7, 10, 15, 20, 325, 30, 40Watts
- Flameproof Inorganic Construction
- High Power Resistor

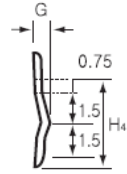
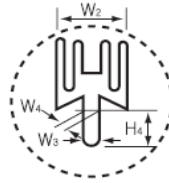
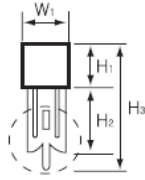
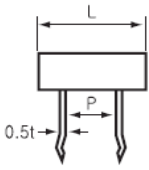
■ SPECIFICATIONS

ITEM	SPECIFICATION LIMITS
Operating Temperature Range	-40 °C ~ +155°C
Resistance Temperature Coefficient	±350ppm/ °C Max
Short-Time Over Load	±(2% + 0.05Ω), Rated Power x 5 for 5sec
Dielectric Withstanding Voltage	±(2% + 0.05Ω), AC2500V 60sec
Insulation Resistance	±(2% + 0.05Ω), 500MΩ 500VDC
Resistance Soldering Heat	±(2% + 0.05Ω), 230°C for 5sec
Thermal Shock	±(2% + 0.05Ω), -40°C, +20°C, +125°C
Moisture Resistance	±(5% + 0.05Ω), 40°C, 90 ~ 95% RH
Load Life	±(5% + 0.05Ω), for 1,000hours

■ RATINGS

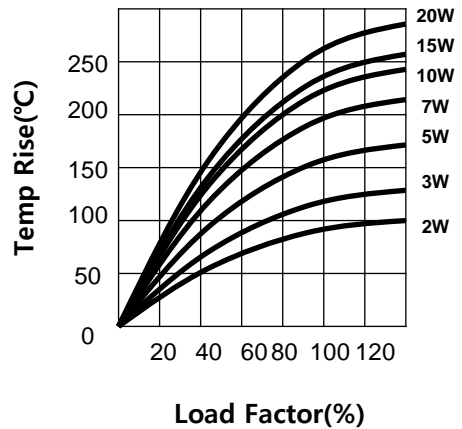
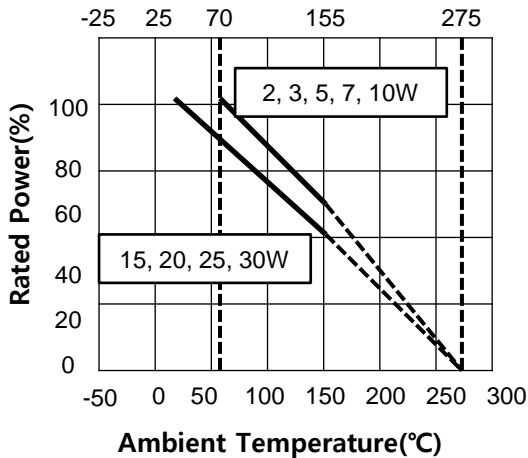
TYPE	Power Rating	Max Working Voltage	Max Overload Voltage	Resistance Range			Operating Temp Range	Rated Ambient Temp	Resistance Tolerance
				MOR	WIRE WOUND				
					Glass core	Ceramic core			
RQR 5	5W	350V	700V	10-100K	0.1-100	0.1-150	-40°C ~ +155°C	70°C	±1%(F) ±2%(G) ±5%(J)
RQR 7	7W	500V	1000V	10-100K	0.1-150	0.1-200			
RQR 10	10W	700V	1400V	10-100K	0.1-1K	0.1-1K			
RQR 15	15W	700V	1400V	-	1-1K	-		25°C	
RQR 20	20W	750V	1500V	-	1-1K	-			
RQR 25	25W	1000V	2000V	-	1-1K	-			
RQR 30	30W	1000V	2000V	-	1-1.5K	-			
RQR 40	40W	1000V	2000V	-	1-1.5K	-			

■ DIMENSIONS



TYPE	Power Rating	Dimensions (mm)								
		L±1	P±1	W1±1	W2	W3	W4	H1	H2	H4
RQB 5	5W	27	15	9.5	7	1.4	1.5	9.5	7/14	4.5
RQB 7	7W	35	22	9.5	7	1.4	1.5	9.5	7/14	4.5
RQB 10	10W	48	35	10.5	7	1.4	1.5	9.5	7/14	4.5
RQB 15	15W	48	35	12.5	7	1.4	1.5	12.5	7/14	4.5
RQB 20	20W	62.5	47.5	12.5	7	1.4	1.5	12.5	7/14	4.5
RQB 25	25W	62.5	47.5	15	7	1.4	1.5	15	7/14	4.5
RQB 30	30W	70	57	19	7/10	1.4/2.7	1.5/2.7	19	21/15	5.0
RQB 40	40W	90	70	19	7/10	1.4/2.7	1.5/2.7	19	18/15	5.0

■ SURFACE TEMPERATURE INCREASE VERSUS POWER LOAD & DERATING CURVES



■ HOW TO ORDER

RQ	B	5W	10 Ω	J
TYPE	STYLE	POWER RATING	NOMINAL RESISTANCE	RESISTANCE TOLERANCE

www.resistors.co.kr

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