Power (Ribbon) Wire Wound Resistors

Performance Specification

Temperature Coefficient	<20Ω±400PPM/°C; ≥20Ω ±300PPM/°C.
Short Time Overload	±(2.0% + 0.05Ω)Max, with no evidence of mechanical damage.
Terminal Strength	No evidence of mechanical damage.
Resistance to Soldering Heat	±(1.0% + 0.05Ω)Max, with no evidence of mechanical damage.
Solderability	Min. 95% coverage.
Load Life in Humidity	±(5.0% + 0.05Ω)Max, with no evidence of mechanical damage.
Load Life	±(5.0% + 0.05Ω)Max, with no evidence of mechanical damage.

Ordering Procedure: Ex.: QRZG 225W,+/- 5%, 1.8Ω, B/B

Q	R	Z	G	0	0	J	0	1	8	J	2	2	5

Type:
Power Wire-wound
QH00= QH
QL00= QL

Power(Ribbon)Wire-wound
QR00= QR
QRZG= QRZG

Wattage:
20 = 20W
25 = 25W
30 = 30W
40 = 40W
50 = 50W
60 = 60W
80 = 80W
00 = ≥100W
indicate power rating at the last 3 digits of the part no.

Tolerance:
J = ±5%
K = ±10%

Resistance Value:
- E-24 series:
  1st digit is "0"
  2nd & 3rd digits are the significant figures of the resistance
  4th indicates the number of zeros.
  "J" ~ 0.1, "K" ~ 0.01
  Ex.: 4Ω7 ~ 47J, 4.7KΩ ~ 472

Packing Type:
0 = Bulk/Box

Packing Qty:
0 = Bulk/Box

Additional Information:
0 = NIL

Remark: Power Rating ≥ 100 Watt, please indicate the power rating in the last 3 digits as follows.
100 = 100W 300 = 300W 120 = 120W 450 = 450W
225 = 225W 600 = 600W A00 = 1,000W

RoHS Compliant

Power (Ribbon) Wire Wound Resistors

Features

- Multi-terminal types and variable types available
- Capable of carrying high power load
- Resistance value unchanged after long use. Good resistivity to short time overload
- High resistance to heat & low temperature coefficient, Resistance and temperature change is linear
- Too low or too high ohmic value can be supplied on a case to case basis

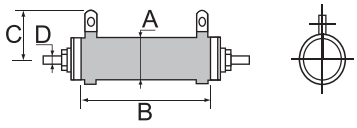
QL/QH Type

Part no.	Style	Power Rating at 70°C	Dimension (mm)				Resistance Range
			A±2	B	C±1	D±1	
QH / QL0020	QH / QL 20W	20W	22	50±1	19	5	1Ω ~ 10KΩ
QH / QL0025	QH / QL 25W	25W	22	60±1	19	5	2Ω ~ 12KΩ
QH / QL0030	QH / QL 30W	30W	22	75±1	19	5	2Ω ~ 15KΩ
QH / QL0040	QH / QL 40W	40W	22	90±1	19	5	2Ω ~ 20KΩ
QH / QL0050	QH / QL 50W	50W	31	75±1	31	5	3Ω ~ 25KΩ
QH / QL0060	QH / QL 60W	60W	31	90±1	31	5	3Ω ~ 30KΩ
QH / QL0080	QH / QL 80W	80W	31	115±2	31	5	3Ω ~ 40KΩ
QH / QL00...100	QH / QL 100W	100W	31	140±2	31	5	3Ω ~ 50KΩ
QH / QL00...120	QH / QL 120W	120W	31	165±2	31	5	4Ω ~ 60KΩ
QH / QL00...150	QH / QL 150W	150W	31	195±2	31	5	4Ω ~ 70KΩ
QH / QL00...200	QH / QL 200W	200W	31	254±2	31	5	5Ω ~ 100KΩ
QH / QL00...300	QH / QL 300W	300W	43	254±2	33	5	8Ω ~ 150KΩ
QH / QL00...400	QH / QL 400W	400W	43	330±3	38	5	10Ω ~ 200KΩ
QH / QL00...600	QH / QL- 600W	600W	43	420±3	38	5	10Ω ~ 200KΩ

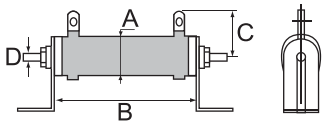
QR / QRZG Type

Part No.	Max Watt	Dimension (mm)									Resistance Range
		D±1	E±1	F±1	G±1	H±1	J±1	I	L±1	M±1	
QR00....120 QRZG....120	120W	33	16	28	26	22	6	115±2	148	167	0.2Ω ~ 4Ω
QR00....150 QRZG....150	150W	33	16	28	26	22	6	140±2	173	192	0.3Ω ~ 5Ω
QR00....180 QRZG....180	180W	33	16	28	26	22	6	165±2	198	217	0.3Ω ~ 6Ω
QR00....225 QRZG....225	225W	33	16	28	26	22	6	195±2	228	247	0.4Ω ~ 8Ω
QR00....300 QRZG....300	300W	33	16	28	26	22	6	254±2	287	306	0.5Ω ~ 10Ω
QR00....450 QRZG....450	450W	48	25	40	40	40	9	254±2	308	334	0.8Ω ~ 15Ω
QR00....600 QRZG ...600	600W	48	25	40	40	40	9	330±3	384	410	1Ω ~ 20Ω
QR00....750 QRZG....750	750W	55	30	50	50	50	9	300±3	369	377	1Ω ~ 75Ω
QR00....1000 QRZG....1000	1000W	55	30	50	50	50	9	390±3	458	466	1Ω ~ 100Ω

QH TYPE



QL TYPE



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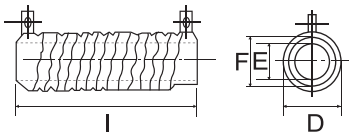
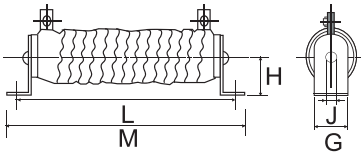
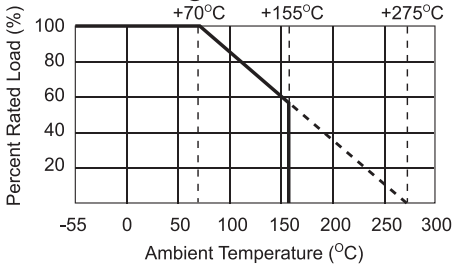


QRZG TYPE



Derating Curve



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