

功率不燃性電阻器 Non Flammable Wire Wound Resistors

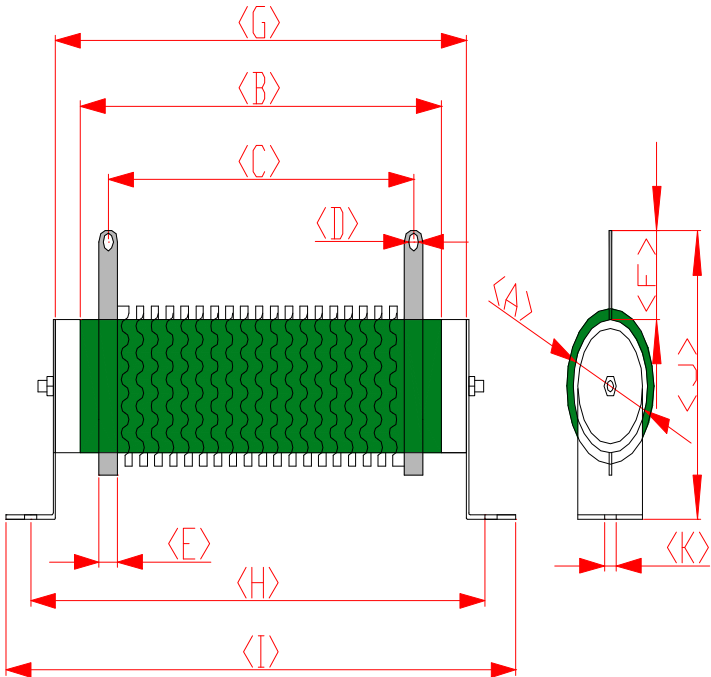
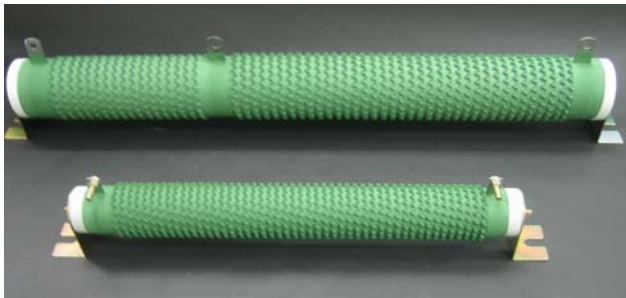
QR serie ◆大功率,低阻值型 . High Power, Low Resistance Type

QR Type：固定電阻, Fixed Resistors

QS Type：可調電阻, Adjustable Resistors

NQ Type：無感電阻, noninductive Resistors

Q R 波 浪 型



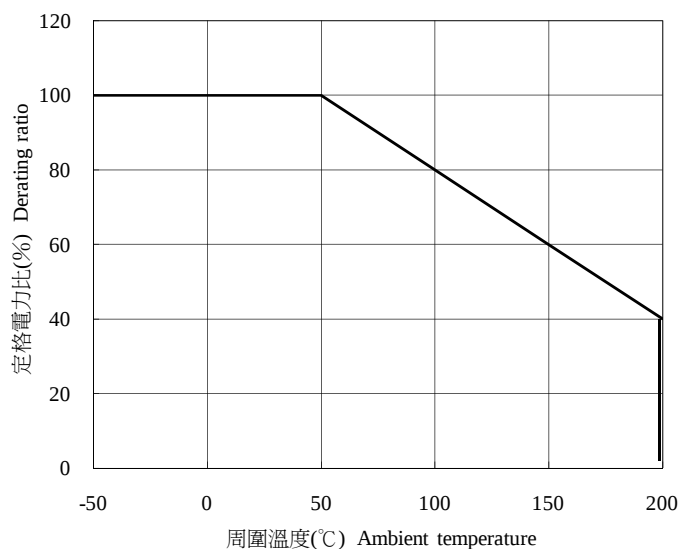
訂貨規格表 Spec.

定格電力 (W)	尺寸 Dimensions (mm)											電阻值範圍 (Ω)	備註
Power Rating	A±1	B±2	C±2	D±0.1	E±0.2	F±1	G±2	H±2	I±2	J±2	K±0.1	Resistance Range	Remark
QR- 75W	25	110	94	5.2	8	19	120	142	164	58	6	0.1 Ω ~ 15 Ω	
QR- 90W	28	90	72	5.2	8	17.6	101	125	145	60	6	0.1 Ω ~ 20 Ω	
QR- 120W	28	110	92	5.2	8	17.6	121	145	165	60	6	0.1 Ω ~ 25 Ω	
QR- 150W	28	140	122	5.2	8	17.6	151	175	195	60	6	0.1 Ω ~ 30 Ω	
QR- 180W	28	160	142	5.2	8	17.6	171	195	215	60	6	0.1 Ω ~ 36 Ω	
QR- 225W	28	195	177	5.2	8	17.6	206	230	250	60	6	0.1 Ω ~ 40 Ω	
QR- 240W	35	185	167	5.2	8	18	197	219	249	75	8	0.1 Ω ~ 50 Ω	
QR- 300W	35	210	190	5.2	8	18	222	244	274	75	8	0.3 Ω ~ 60 Ω	
QR- 375W	40	210	186	5.5	10	17.5	224	245	277	88.8	9	0.3 Ω ~ 80 Ω	
QR- 450W	40	260	241	5.5	10	17.5	273	294	327	88.8	9	0.3 Ω ~ 90 Ω	
QR- 600W	40	330	305	5.5	10	17.5	343	362	396	88.8	9	0.3 Ω ~ 110 Ω	
QR- 750W	50	330	298	6.4	12	25.5	346	367	400	99	10	0.3 Ω ~ 130 Ω	
QR- 900W	50	400	368	6.4	12	25.5	416	437	470	99	10	0.5 Ω ~ 170 Ω	
QR-1000W	50	460	428	6.4	12	25.5	475	497	528	99	10	0.5 Ω ~ 180 Ω	
QR-1200W	60	460	420	6.4	15	28	480	502	533	112	10	0.5 Ω ~ 200 Ω	
QR-1500W	60	540	500	6.4	15	28	560	582	613	110	10	0.5 Ω ~ 250 Ω	
QR-2000W	65	650	615	6.4	15	31	672	696	725	125	10	0.5 Ω ~ 300 Ω	

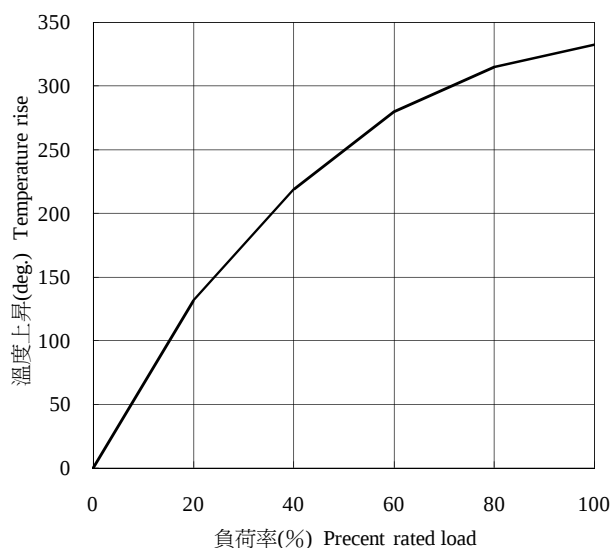
QR電氣特性 Electrical specification

特性 Characteristics	規格值 Limits
阻值和阻值的誤差 Resistance and resistance tolerance	Resistance nominal Resistance tolerance $1\Omega > R$ $\pm 5\% (J)$
溫度係數 Temperatuer coefficient	$\pm 400\text{ppm}/^\circ\text{C}$ max.
額定負載 Power rating load	$\Delta R/R \leq \pm 1\%$ 表面溫度上昇 (tempoerature) 375°C max.
短時間過載 Short-time overload	定額3倍5秒過載 300% rated power 5 seconds $\Delta R/R \leq \pm 2\%$
絕緣阻值 Insulation resistance	DC500V $100\text{M}\Omega$ min.
耐電壓 Dielectric withstanding voltage	AC3000V 1 mintue

負載減輕曲線圖 Power Derating Curve



表面溫度上昇圖 Temperature Rise



短時間過載表 Short-time Overload Rating

負荷時間(Second) Load Time	5	10	30	60	180	300	600	900	1800
電流增加率(%) Max. Amps Rated load	400	350	250	200	140	120	110	105	100

NEMA 規格續斷週期表 NEMA standard / ON-OFF Cycles

時間週期 Time cycles	5 sec ON	10 sec ON	15 sec ON	15 sec ON	15 sec ON	15 sec ON
電流增加率(%) (Secnd)	75 sec OFF	70 sec OFF	75 sec OFF	45 sec OFF	30 sec OFF	15 sec OFF
Max. Amps Rated load	290	215	185	160	150	125