

電力型不燃性波浪線繞電阻器

DQ 系列電阻器



於圓柱形陶瓷管上固定兩個引出端子，陶瓷管上纏繞扁帶波浪狀之合金電阻線，並於表面施以耐高溫之不燃性樹脂塗裝被覆，待電阻體陰乾後、經由高溫處理固定絕緣，並配裝固定腳架而成。由於電阻合金線材受限，可製電阻值範圍較低，如需高阻抗時請參考 DR 系列電阻器。本品可製成多端子、低感抗電阻、半可調整型之各類電阻器。適用於教學模擬、負載測試、產業機械、電力分配、儀器設備、自動控制裝置...等，若需特殊規格型式，請與我們討論。

NFQR- TYPE 75W-2000W

DQR 圓磁管波浪式固定線繞電阻器

POWER RATING	DIMENSIONS 寸法 (m/m)														RESISTANCE RANGE (Ω)
	A	B	C	D	E	F	G	H	I	J	K	L	M	O	
75W	110	25	16	30	8	150	5	18	6	166	58	1.2	6	27	1.5-8 Ω
90W	90	28	18	32	8	130	5	19	6	146	60	1.2	6	27	1.5-9 Ω
120W	110	28	18	32	8	150	5	19	6	166	60	1.2	6	27	2-12 Ω
150W	140	28	18	32	8	180	5	19	6	196	60	1.2	6	27	2-15 Ω
180W	160	28	18	32	8	200	5	19	6	216	60	1.2	6	27	3-18 Ω
225W	195	28	18	32	8	235	5	19	6	251	60	1.2	6	27	3-23 Ω
240W	185	35	24	36	10	225	5	19	8	245	76	1.6	6	34	5-24 Ω
300W	210	35	24	36	10	250	5	19	8	274	76	1.6	6	34	5-30 Ω
375W	210	40	25	38	12	250	5	20	8	274	78	1.6	6	34	6-38 Ω
450W	260	40	25	38	12	300	5	20	8	320	78	1.6	6	34	6-45 Ω
600W	330	40	25	38	12	370	5	20	8	395	78	1.6	6	34	7-60 Ω
750W	330	50	35	50	12	380	6	25	9	400	100	1.6	8	40	8-75 Ω
900W	400	50	35	50	12	450	6	25	9	470	100	1.6	8	40	8-90 Ω
1000W	460	50	35	50	12	510	6	25	9	530	100	1.6	8	40	12-100 Ω
1200W	460	60	40	55	15	515	6	30	10	535	110	1.6	10	50	12-120 Ω
1500W	540	60	40	55	15	595	6	30	10	615	110	1.6	10	50	15-160 Ω
2000W	650	65	42	62	15	702	6	30	10	722	115	1.6	10	50	15-200 Ω

NFQN- TYPE 75W-2000W

DQN 圓磁管波浪式低感抗線繞電阻器

POWER RATING	DIMENSIONS 寸法 (m/m)														RESISTANCE RANGE (Ω)
	A	B	C	D	E	F	G	H	I	J	K	L	M	O	
75W	110	25	16	30	8	150	5	18	6	166	58	1.2	6	27	1.5-8 Ω
90W	90	28	18	32	8	130	5	19	6	146	60	1.2	6	27	1.5-9 Ω
120W	110	28	18	32	8	150	5	19	6	166	60	1.2	6	27	2-12 Ω
150W	140	28	18	32	8	180	5	19	6	196	60	1.2	6	27	2-15 Ω
180W	160	28	18	32	8	200	5	19	6	216	60	1.2	6	27	3-18 Ω
225W	195	28	18	32	8	235	5	19	6	251	60	1.2	6	27	3-23 Ω
240W	185	35	24	36	10	225	5	19	8	245	76	1.6	6	34	5-24 Ω
300W	210	35	24	36	10	250	5	19	8	274	76	1.6	6	34	5-30 Ω
375W	210	40	25	38	12	250	5	20	8	274	78	1.6	6	34	6-38 Ω
450W	260	40	25	38	12	300	5	20	8	320	78	1.6	6	34	6-45 Ω
600W	330	40	25	38	12	370	5	20	8	395	78	1.6	6	34	7-60 Ω
750W	330	50	35	50	12	380	6	25	9	400	100	1.6	8	40	8-75 Ω
900W	400	50	35	50	12	450	6	25	9	470	100	1.6	8	40	8-90 Ω
1000W	460	50	35	50	12	510	6	25	9	530	100	1.6	8	40	12-100 Ω
1200W	460	60	40	55	15	515	6	30	10	535	110	1.6	10	50	12-120 Ω
1500W	540	60	40	55	15	595	6	30	10	615	110	1.6	10	50	15-150 Ω
2000W	650	65	42	62	15	702	6	30	10	722	115	1.6	10	50	15-200 Ω

電力型不燃性波浪線繞電阻器

NFQS- TYPE 75W-2000W

DQS 圓磁管波浪式可調線繞電阻器

POWER RATING	DIMENSIONS 寸法 (m/m)															RESISTANCE RANGE (Ω)
	A	B	C	D	E	F	G	H	I	J	K	L	M	O		
75W	110	25	16	30	8	150	5	18	6	166	58	1.2	6	27	1.5-8Ω	
90W	90	28	18	32	8	130	5	19	6	146	60	1.2	6	27	1.5-9Ω	
120W	110	28	18	32	8	150	5	19	6	166	60	1.2	6	27	2-12Ω	
150W	140	28	18	32	8	180	5	19	6	196	60	1.2	6	27	2-15Ω	
180W	160	28	18	32	8	200	5	19	6	216	60	1.2	6	27	3-18Ω	
225W	195	28	18	32	8	235	5	19	6	251	60	1.2	6	27	3-23Ω	
240W	185	35	24	36	10	225	5	19	8	245	76	1.6	6	34	5-24Ω	
300W	210	35	24	36	10	250	5	19	8	274	76	1.6	6	34	5-30Ω	
375W	210	40	25	38	12	250	5	20	8	274	78	1.6	6	34	6-38Ω	
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600W	330	40	25	38	12	370	5	20	8	395	78	1.6	6	34	7-60Ω	
750W	330	50	35	50	12	380	6	25	9	400	100	1.6	8	40	8-75Ω	
900W	400	50	35	50	12	450	6	25	9	470	100	1.6	8	40	8-90Ω	
1000W	460	50	35	50	12	510	6	25	9	530	100	1.6	8	40	12-100Ω	
1200W	460	60	40	55	15	515	6	30	10	535	110	1.6	10	50	12-120Ω	
1500W	540	60	40	55	15	595	6	30	10	615	110	1.6	10	50	15-150Ω	
2000W	650	65	42	62	15	702	6	30	10	722	115	1.6	10	50	15-200Ω	

PERFORMANCE SPECIFICATIONS

項目 TEST ITEM	試驗方法 TEST METHODS	性能 CHARACTERISTICS	Remark
電阻值容許誤差 Resistance tolerance	JIS-C-5202 5-1	Resistance Nominal Tolerance 1≤R 1>R ±5% (J) ±10% (K)	
電阻溫度特性 Temperature coefficient	JIS-C-5202 5-2	±400PPM/°C MAX	ETC
定格負荷 Power rating load	JIS-C-5202 5-4	Δ R/R ≤ ± (0.5% + 0.1Ω) Surface temperature up 350°C MAX	
短時間過負荷 Short-term overload	JIS-C-5202 5-5 500% rated power 5 seconds	Free of appearance or structural irregularity Δ R/R ≤ ± (2% + 0.1Ω)	
絕緣抵抗 Insulation resistance	JIS-C-5202 5-6 500VDC	100MΩ min	ETC
耐電壓 Dielectric withstanding voltage	JIS-C-5202 5-7 1000VDC 1 minute Between terminal and anchor stand	Free of appearance or structural irregularity Δ R/R ≤ ± (0.1% + 0.05Ω)	ETC
端子強度 Terminal strength	JIS-C-5202 6-1 8kg 30 seconds	Free of appearance or structural irregularity	ETC
電阻器強度 Resistor strength	JIS-C-5202 6-2 30kg 30 seconds	Free of appearance or structural irregularity	ETC
耐振性 Vibration	JIS-C-5202 6-3 1.5m/m 10 ~ 50 ~ 10 Hz/min X-Y-Z 2 hours each	Free of appearance or structural irregularity Δ R/R ≤ ± (1% + 0.05Ω)	ETC
熱衝擊 Thermal shock	JIS-C-5202 7-3 Room temp 30 minutes ON-55°C 15 minutes OFF	Resistor free of structural irregularity Surface coating crack Δ R/R ≤ ± (1% + 0.05Ω)	
耐濕性 Humidity	JIS-C-5202 7-5 40°C 90%RH 240 hours	Free of appearance or structural irregularity Δ R/R ≤ ± (3% + 0.1Ω)	ETC
耐久性 Load life	JIS-C-5202 7-10 90 minutes ON - 30 minutes OFF 500 hours	Free of appearance or structural irregularity Δ R/R ≤ ± (5% + 0.1Ω)	
難燃性 Flame retardation	JIS-C-5202 7-13-3-2 100% - 600% rated power load	US UL-94 flame retardation test V-0 grade noncombustible	

備註 REMARKS
 1. Items noted with ETC were tested by Taiwan Electronic Testing Center as shown in report No.ET89T-03-086-C00.
 2. Resistance and resistance tolerance were tested in-house with micro resistance meter.
 3. Resistor coating refers to UL-certified data provided by supplier.

訂貨方式

成品類別	額定電力(w)	阻抗值(Ω)	容許誤差	組合方式	產品屬性
NFQR type	75W~2000W	表示阻抗值	H = 阻值誤差 ±3%	2-8 支~數量組合 G ~ 臥式固定 N ~ 無固定架 Z ~ 立式固定	A ~ 特殊要求
NFQN type	75W~2000W		J = 阻值誤差 ±5%		O ~ 一般規格
NFQS type	75W~2000W		K = 阻值誤差 ±10%		Z ~ 其它