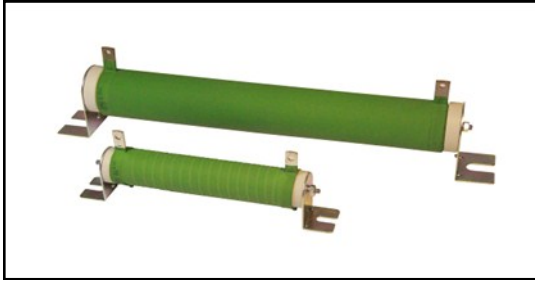


POWER WIRE WOUND RESISTOR

RQ

大功率型电阻器

POWER WIRE WOUND RESISTOR (Fixed & Non-inductive Type ; Adjustable Type)



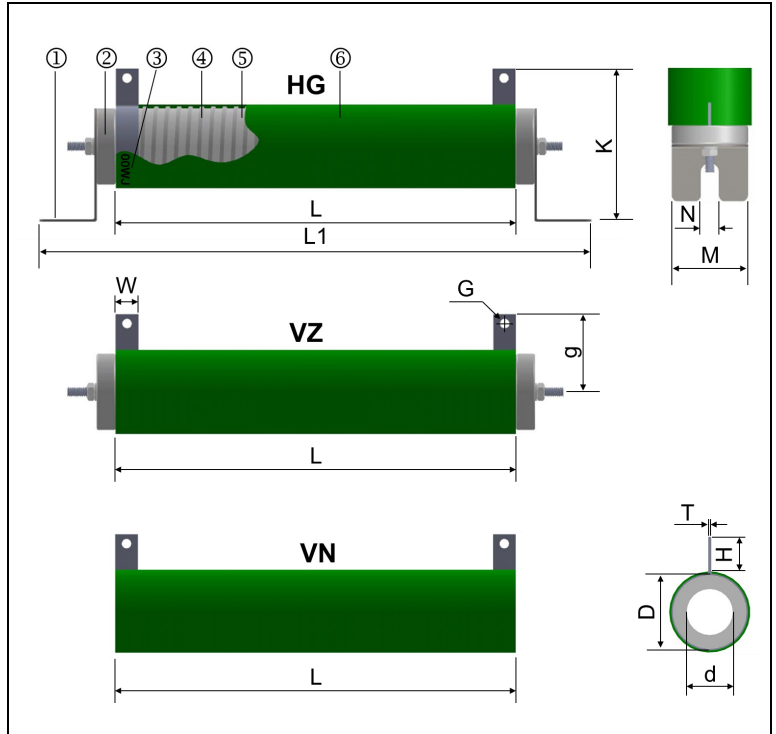
涂料颜色 : Coating Color 标示 : Marking
 绿色 : Green 文字 : Alphanumeric

- ◎可提供低电感
- ◎防爆式绕线高脉冲特性
- ◎ The ANTI-BURST Type wire wound type High pulse safe usage by special non-flammable silicon-base.
- ◎可承受 25KV 突波的冲击
- ◎ Acceptable pulse of 25KV discharge.
- ◎高信赖性
- ◎ High reliability.
- ◎产品符合欧盟 RoHS 要求
- ◎ Products meet EU-RoHS.
- ◎可提供低电感
- ◎ Low inductance is available.

料号编码 Type composition 例 Example

RQ	FR	100	J	10R0	C2	HG
型名 Type	品名 Size	额定功率 Rated Power	误差值 Tolerance	电阻值(Ω) Resistance	铜环数 Copper ring	样式 style
	FR: Fixed	100:10W	J±5%	10R0=10	C2:2Ring	HG:卧式
	NR: Non-inductive	101:100W	K±10%	1000=100	C3:3Ring	VZ:立式
	MR: Adjustable	102:1000W		1001=1K	C4:4Ring	VN:无
				1002=10K		
				1003=100K		

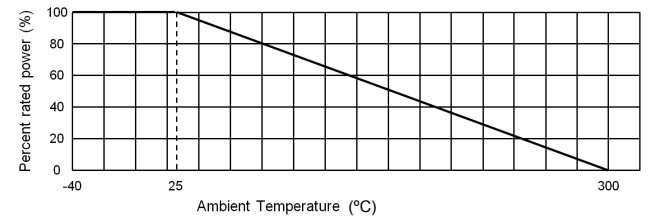
结构图 Construction



1	铁架	Iron stand	4	绕线	Wire wound
2	陶瓷垫圈	Ceramic washer		瓷棒	Ceramic base
3	标示	Marking	6	绝缘涂料	Insulation coat

额定温度下降曲线图 Derating curve

例 Example



外型尺寸 Dimensions

Dimensions (mm)	Rated Power (W)																					
	10	20	30	50	60	80	100	120	150	160	200	250	300	400	500	600	700	800	1000	1300	1500	2000
L	45	60	75	110	90	110	140	160	195	185	210	210	260	330	330	400	460	460	540	600	600	650
D	12	17	17	25	28	28	28	28	28	35	35	40	40	40	50	50	50	60	60	65	65	65
d	6	8	8	16	18	18	18	18	18	24	24	25	25	25	35	35	35	40	40	42	42	42
g	18	22	22	30	32	32	32	32	32	36	36	38	38	38	50	50	50	55	55	62	62	62
W	4	5	5	8	8	8	8	8	8	10	8	12	12	12	12	12	15	15	15	15	15	
G	2	2	2	5	5	5	5	5	5	5	5	5	5	5	6	4	6	6	6	6	6	6
H	9	12	12	18	19	19	19	19	19	19	19	20	20	20	25	25	25	30	30	30	30	30
N	3	4	4	6	6	6	6	6	6	8	10	8	8	8	9	12	9	10	10	10	10	10
L1	62	90	112	166	146	166	196	216	251	245	284	274	335	403	410	480	530	535	615	722	722	722
K	28	36	36	58	60	60	60	60	60	76	76	78	78	82	110	110	100	110	110	115	115	115
T	1	1	1	1.2	1.2	1.2	1.2	1.2	1.2	1.6	1.6	1.6	1.6	1.6	1.6	1.8	1.6	1.6	1.6	1.6	1.6	1.6
M	10	16	16	28	27	28	28	27	27	40	40	34	40	40	50	50	50	50	50	50	50	50

■ 额定 Ratings

Rated Power (W)	阻值范围 Resistance Range (Ω)			误差值 Tolerance	温度系数 T.C.R.	最高使用电压 Max. Working Voltage	耐电压 Dielectric Withstanding Voltage
	标准 Standard ; FR	无感 Non-inductive ; NR	可调 Adjustable ; MR				
10	1-3KΩ		-----	J±5% K±10%	±350ppm/°C	1500V	750V
20	1-7KΩ		1-360Ω				
30	1-10KΩ		1-500Ω				
50	0.1-25KΩ	0.1-8KΩ	1-1.3KΩ				
60	0.1-30KΩ	0.1-10KΩ	1-1.5KΩ				
80	0.1-40KΩ	0.1-20KΩ	0.1-2KΩ				
100	0.1-50KΩ	0.1-25KΩ	0.1-2.4KΩ				
120	0.1-60KΩ	0.1-30KΩ	0.1-3KΩ				
150	0.3-75KΩ	0.3-35KΩ	0.3-3.6KΩ				
160	0.3-80KΩ	0.3-40KΩ	0.3-3.9KΩ				
200	0.3-100KΩ	0.3-50KΩ	0.3-5KΩ				
250	0.5-125KΩ	0.5-60KΩ	0.3-6.2KΩ				
300	0.5-150KΩ	0.5-75KΩ	0.3-7.5KΩ				
400	0.5-200KΩ	0.5-100KΩ	0.5-10KΩ				
500	0.5-250KΩ	0.5-120KΩ	0.5-13KΩ				
600	0.8-300KΩ	0.8-150KΩ	0.5-15KΩ				
700	0.8-350KΩ	0.8-180KΩ	0.5-18KΩ				
800	0.8-400KΩ	0.8-200KΩ	0.8-20KΩ				
1000	1-500KΩ	1-250KΩ	1-25KΩ				
1300	1-500KΩ	1-250KΩ	1-25KΩ				
1500	1-500KΩ	1-250KΩ	1-25KΩ				
2000	1-750KΩ	1-300KΩ	1-39KΩ				

■ 性能 Performance

试验项目 Test Items	规格值 Performance Requirements	试验方法 Test Methods
电阻值 Resistance	规定的误差值内 Within specified tolerance	测量点从端盖 10mm Measuring points are 10mm from the end cap
温度系数 T.C.R.	规定值内 Within specified T.C.R.	室温+100°C Room temperature +100°C
短时间过负荷 Short time overload	±(2%+0.1Ω)	6.25 倍额定功率, 5 秒 6.25 times the rated power for 5 seconds
负荷寿命 Load life	±(1%+0.1Ω)	Rated voltage at 70°C for 1,000 hours 1.5hr ON / 0.5hr OFF Cycles
耐湿负荷寿命 Load life in humidity	±(1%+0.1Ω)	10% rate power load 40°C, 95% RH for 1,000 hours; 1.5h ON / 0.5h OFF cycle
耐湿性 Moisture resistance	±(3%+0.1Ω)	40°C, 95% RH, 500 小时 40°C, 95% RH for 500 hours
耐电压 Dielectric withstanding voltage	Flash over, burning, insulation damage should not be observed	Test voltage : 750 V (MR 可调品除外) Duration time 60 s
绝缘电阻 Insulation resistance	>100MΩ	500V 绝缘测试 1 分钟 (MR 可调品除外) 500V insulation test 1min.