

# Aluminum Cased Power Resistors

## GR Series 黃金鋁殼電阻器 (GR 系列)

### FEATURES

- High power rating, small size and ultra precision.
- Standard winding & non-inductive winding or high resistance value types.
- High stability, strong construction and anti-surge to 20Kv.

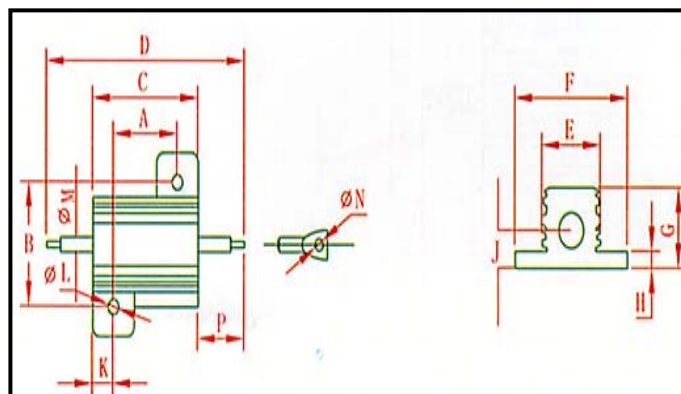
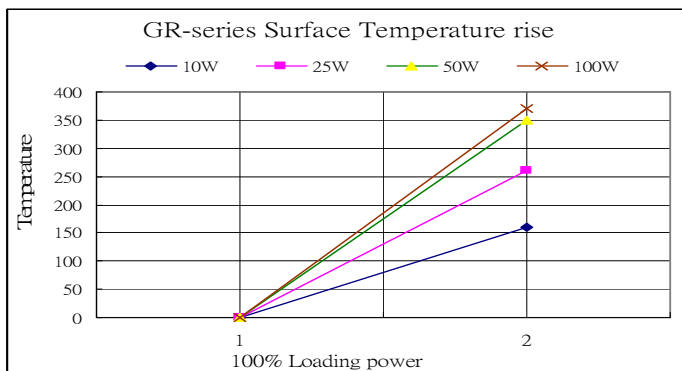


### CHARACTERISTICS

### 性能

ITEM 項目	SPEC. 規格	REMARKS 備註
Stocks Temperature Range	-55~+150°C	Resistance Tolerance: 5%、2%、1%、0.5%
Load life under high temperature 高溫負荷壽命	±1.5%	Rated voltage at Room temp.for 1,000 hours 額定電壓室溫 1,000 小時
Load life under high humidity 耐濕負荷壽命	± 1.5%	40°C,95% RH for 1,000 hours 40°C,95% RH 1,000 小時
Short time overload 短時間過負荷	± 0.5%	6.25 times the rated power for 5 seconds 6.25 倍額定功率 5 秒
Heat Resistance 耐熱	± 0.5%	275°C 2 hours 275°C 2 小時
Insulation resistance 絕緣電阻	>1,000MΩ	500 volt Insulation test

SURFACE TEMPERATURE RAISE VS. LOADED POWER



### RATING, DIMENSIONS

### 額定, 尺寸

Type	Material	Rated Power AT 25°C	Resistance Range (Ω)	Dimension (mm)										
				D ± 2.0	C ± 1.0	A ± 0.8	F ± 1.0	B ± 0.3	E ± 1.0	N ± 0.1	I ± 0.3	G ± 1.0	J ± 1.0	H ± 0.2
GR-5	WW	5	0.1Ω~1.5KΩ	25.5	15.5	11.5	16.5	12.5	8.5	2.2	2.5	8.0	2.2	1.5
	NW	5	0.02Ω~200Ω											
	RM	4.5	1.5K~1000MΩ											
	NM	4.5	200Ω~10MΩ											
GR-10	WW	10	0.1Ω~2KΩ	29.0	19.0	14.5	20.5	14.0	10.0	2.2	2.4	10.0	5.0	2.0
	NW	10	0.02Ω~470Ω											
	RM	8.5	2K~1000MΩ											
	NM	8.5	470Ω~10MΩ											
GR-25	WW	25	0.5Ω~4.7KΩ	52.0	27.0	18.0	27.3	19.5	15.3	2.2	3.2	15.5	6.6	2.2
	NW	25	0.1Ω~1.2KΩ											
	RM	20	4.7K~1000MΩ											
	NM	20	1.2K~10MΩ											
GR-50	WW	50	1Ω~10KΩ	70.5	50.0	39.0	29.0	19.5	15.3	2.2	3.2	15.5	7.6	2.2
	NW	50	0.2Ω~1.5KΩ											
	RM	45	10K~2000MΩ											
	NM	45	1.5K~10MΩ											
GR-100	WW	100	3Ω~25KΩ	122.0	89.0	70.0	71.5	57.0	46.0	-----	4.8	44.5	21.0	4.7
	NW	100	0.5Ω~4KΩ											
GR-225 GR-300	WW	225-300	3Ω~25KΩ	177	114	76	76	64	54	-----	4.48	55.6	24.4	6.4
	NW		0.5Ω~4KΩ											