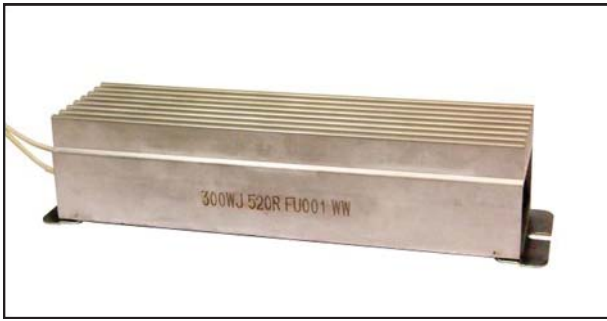


# SQUARE SHAPE ALUMINUM SHELL RESISTOR

RA

方型鋁殼電阻器

SQUARE SHAPE ALUMINUM SHELL RESISTOR (RA Type)



外觀顏色 : Body Color      標示 : Marking  
 銀色 : Silver                  文字 : Alphanumeric

## 特性 Feature

- ◎精密型高額定功率
- ◎ High power rating, and ultra precision.
- ◎可依客戶需求製作
- ◎ Can be produced according to customer's request.
- ◎產品符合歐盟 RoHS 要求
- ◎ Products meet EU-RoHS.
- ◎可提供低電感
- ◎ Low inductance is available.

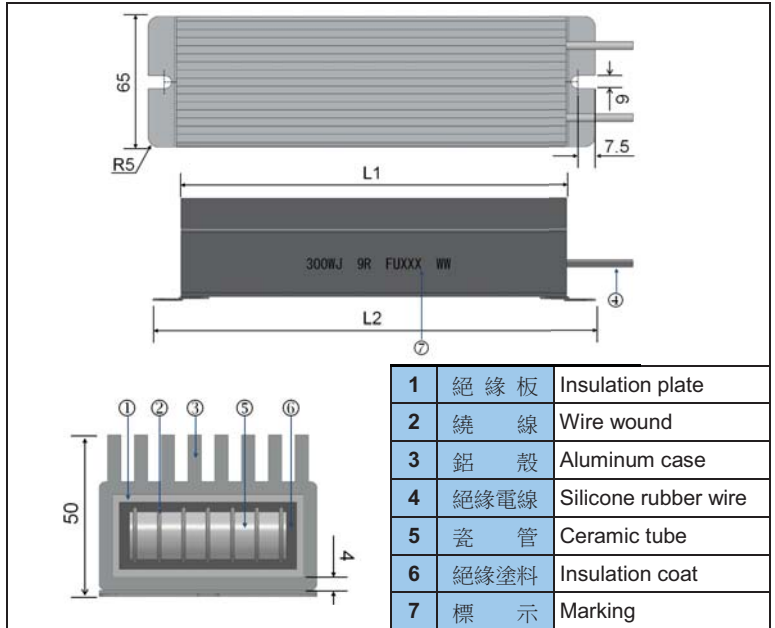
## 料號編碼 Type composition      例 Example

RA	SQ	301	J	10R0	NP00
型名 Type	品名 Size	額定功率 Rated power	誤差值 Tolerance	電阻值(Ω) Resistance	無感/端片 No sense-end piece
	Square Shape	600:600W 101:100W 301:300W 801:800W	J±5%	R100=0.1 1R00=1 10R0=10 1000=100 1001=1K	S300: 300mm Straight Length

## 額定 Ratings

Rated Power (W)	阻值範圍 Resistance Range(Ω)		誤差值 Tolerance	溫度係數 T.C.R.	最高使用電壓 Max. Working Voltage DC	最高過負荷電壓 Max. Overload Voltage DC	耐電壓 Dielectric Withstanding Voltage DC
	Standard	Non-inductive					
60	1 ~ 5K	0.1 ~ 100Ω	J±5%	± 350ppm/°C	1000V	2000V	2000V  更高耐電壓可以訂製為 3000V 或 4000V
80	1 ~ 6K	0.2 ~ 100Ω					
100	1 ~ 8K	0.2 ~ 100Ω					
120	1 ~ 10K	0.2 ~ 100Ω					
150	1 ~ 12K	0.2 ~ 100Ω					
200	1 ~ 15K	0.2 ~ 150Ω					
300	1 ~ 18K	0.5 ~ 150Ω					
400	1 ~ 20K	0.5 ~ 200Ω					
500	1 ~ 25K	0.5 ~ 500Ω					
600	1 ~ 30K	1 ~ 2K					
800	1 ~ 30K	1 ~ 2K					

## 結構圖 Construction

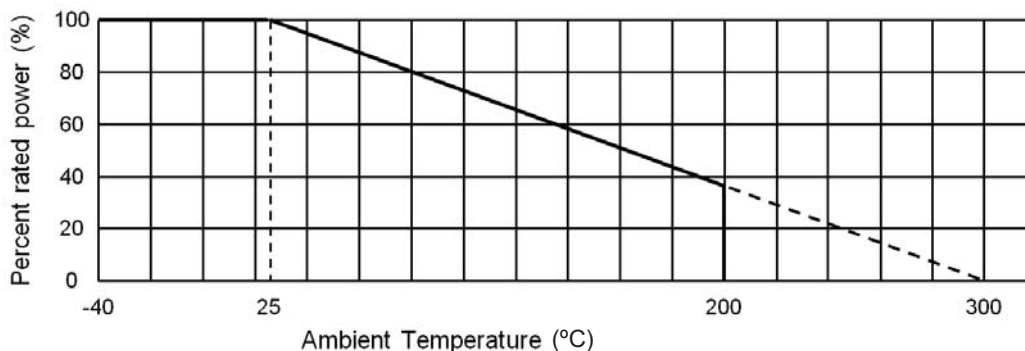


## 外型尺寸 Dimensions

Rated Power (W)	L1±2 (mm)	L2±2 (mm)
60	50	75
80	70	95
100	85	110
120	100	130
150	140	165
200	160	200
300	240	280
400	320	360
500	400	440
600	480	520
800	560	600

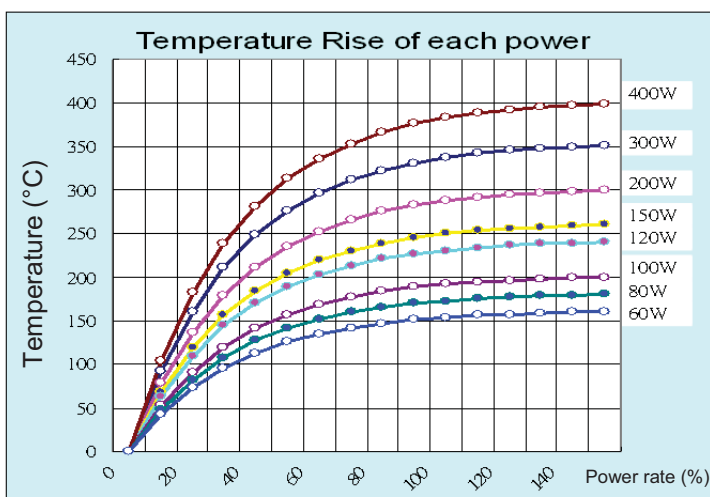
■ 額定溫度下降曲線圖 Derating curve

例 Example



■ 負荷電力對表面溫度上升圖

SURFACE TEMPERATURE RISE Vs. LOADED POWER



■ 性能 Performance

試驗項目 Test Items	規格值 Performance Requirements	試驗方法 Test Methods
電阻值 Resistance	規定的誤差值內 Within specified tolerance	測量點從端蓋 10mm Measuring points are 10mm from the end cap
溫度係數 T.C.R.	規定值內 Within specified T.C.R.	室溫+100°C Room temperature +100°C
短時間過負荷 Short time overload	±(2%+0.05Ω)	10 倍額定功率 · 5 秒 10 times the rated power for 5 seconds
負荷壽命 Load life	±(5%+0.1Ω)	Rated voltage at 70°C for 1,000 hours 1.5hr ON / 0.5hr OFF Cycles
耐濕負荷壽命 Load life in humidity	±(3%+0.1Ω)	10% rate power load 40°C, 95% RH for 1,000 hours; 1.5h ON / 0.5h OFF cycle
耐濕性 Moisture resistance	±(3%+0.05Ω)	40°C, 95% RH · 500 小時 40°C, 95% RH for 500 hours
溫度循環 Temperature cycle	±(1%+0.05Ω)	5 cycles for -25°C (30min) ; room temp. (30min) ~ +85°C (30min) room temp. (30min)
耐電壓 Dielectric withstanding voltage	±(0.2%+0.05Ω)	Test voltage : 1,500 V Duration time 60 s
絕緣電阻 Insulation resistance	>1,000MΩ	500V 絕緣測試 1 分鐘 500V insulation test 1min.