

# CARBON COMPOSITION FIXED RESISTORS 實芯固定電阻器



## 品名構成 Type designation

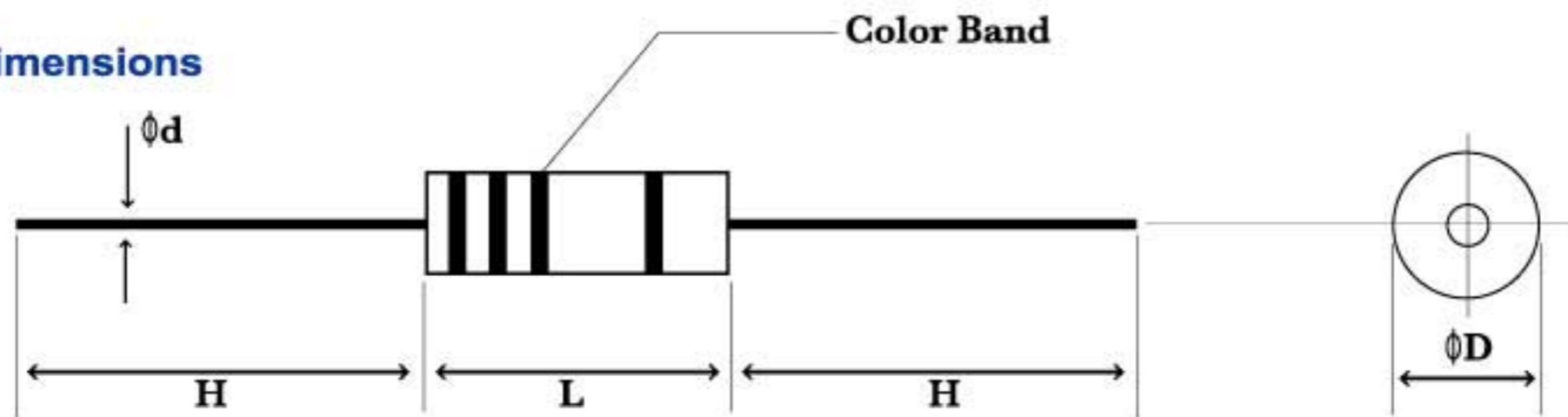
CCR	1/2W	1.1MΩ	J(±5%)				
製式	額定功率	公稱抵抗值	容許誤差值				
Style	Power rated	Resistance	Tolerance				
			容許誤差值 Tolerance				
			<table border="1"> <tr> <td>J</td> <td>K</td> </tr> <tr> <td>±5%</td> <td>±10%</td> </tr> </table>	J	K	±5%	±10%
J	K						
±5%	±10%						

種類	定格電力	最高使用電壓	最高過負荷電壓	耐電壓	最高衝擊電壓	阻值範圍 (Ω)
Type	Rated Power	Maximum working voltage	Maximum overload voltage	Dielectric withstanding voltage	Max Pulse voltage	Resistance Range(Ω)
1/4W	0.25W	250V	500V	500V	5KV	1.1MΩ~10MΩ
1/2W	0.5W	350V	700V	700V	10KV	1.1MΩ~10MΩ

\* 額定電壓 =  $\sqrt{\text{額定功率} \times \text{阻抗值}}$ ，額定電壓相當於其最大電壓

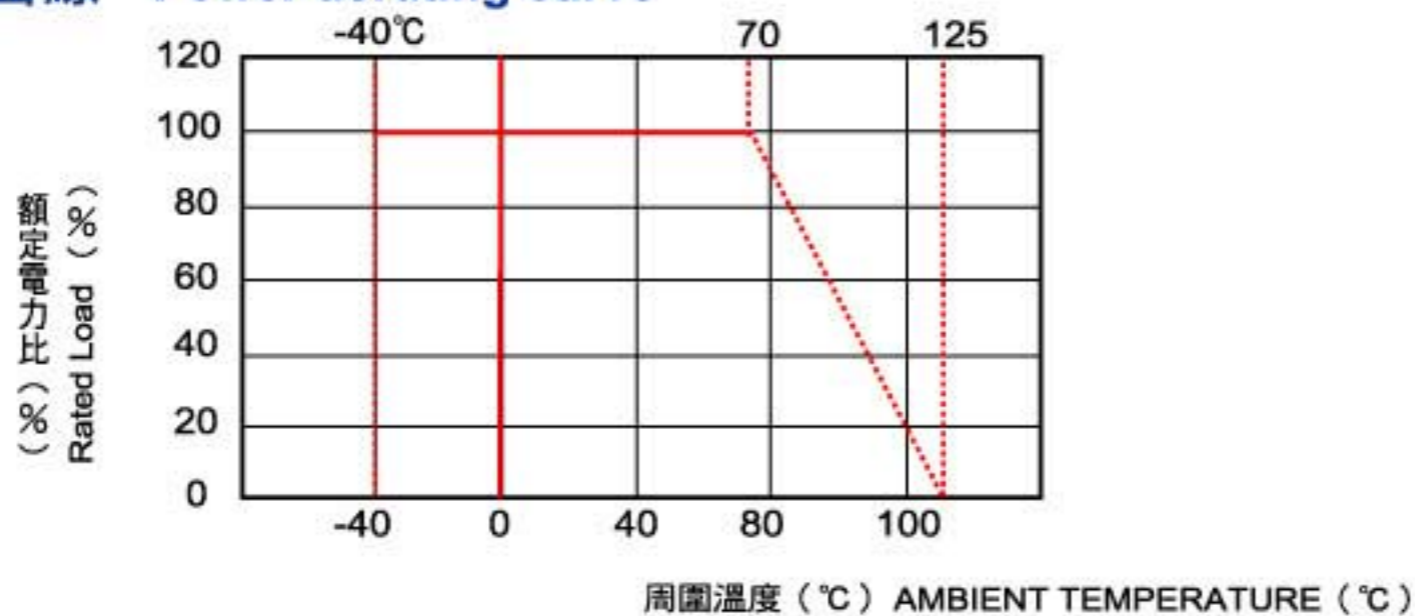
\* RCWV =  $\sqrt{\text{Power rating} \times \text{Resistance value}}$  or max RCWV listed above whichever less.

## 尺寸 Dimensions



種類 Type	尺寸 Dimensions			
	L ± 1.5	ΦD ± 0.5	Φd ± 0.10	ΦH ± 3.0
1/4W	6.5	2.5	0.8	28
1/2W	11	3.5	0.8	28

## 負載遞減曲線 Power derating curve



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## ● 特性 Characteristics

項目 Item	規格值 Specifications	試驗方法 Characteristics	JIS.C.5202
使用溫度範圍 Operating Temperature Range	-40~+125°C		
溫度特性(JIS C 5202 5.2) Temperature Coefficient	阻值最大允許變化率(%) Maximum Resistance Value Range -55°C~+20°C ±20% +20°C~+100°C ±15%	試驗溫度 Test Temperature +20°C/~+55°C/ +20°C/ +100°C/ +20°C/	
耐電壓(JIS C 5202 5.7) Dielectric Withstanding Voltage	無燒損或絕緣性破壞 No flashover or insulation damage	加AC電壓於各規格中持續1分鐘 AC Potential respectively specified in the list for 60 seconds	
短時間過負荷(JIS C 5202 5.7) Short Time Over Load	±(2.5%+0.05Ω)	額定電壓的2.5倍X5秒 2.5 times rated voltage for 5 seconds	
溫度循環(JIS C 5202 7.4) Temperature Cycling	±(2%+0.05Ω)	-55°C~+155°C, 5次循環 -55°C~155°C for 5 cycles	
耐濕負荷(JIS C 5202 5.7) Load Life in Moisture	±(10%+0.05Ω)	在溫度40°C, 溼度95%RH環境中加額定電壓1.5小時「ON」, 0.5小時「OFF」持續1000小時 Rated voltage 1.5hr "on", 0.5hr "off" at 40°C, 95% RH for 1000 hrs.	
負荷壽命(JIS C 5202 7.10) Load Life	±(10%+0.05Ω)	在溫度70°C, 環境中額定電壓每1.5小時「ON」, 0.5小時「OFF」持續1000小時 Rated voltage 1.5hr "on", 0.5hr "off" at 70°C for 1000 hrs.	
焊錫耐熱(JIS C 5202 6.4) Resistance to soldering heat	±(5%+0.05Ω)	溫度350°C, 3.5秒 350°C for 3.5 seconds	
焊錫性(JIS C 5202 6.5) Solderability	覆蓋至少95% At least 95% coverage	溫度260°C, 10秒 260°C for 10 seconds	
衝擊耐性 Surge Withstanding Voltage	無燒損或絕緣性破壞 No flashover or insulation damage ±50% 以內 Within ±50%	加入適當電壓2.5秒, "ON", 2.5秒「OFF」循環10次 add to suitable voltage 2.5 seconds "ON", 2.5 seconds "OFF" for 10 times  