

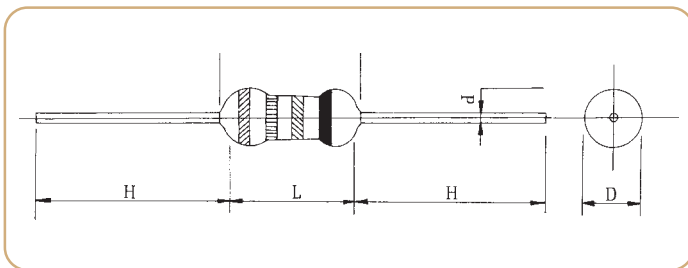
### 產品編碼 PART NUMBER SYSTEM

# RCF - A - 104 J 100 S

Product Code		Tape & Forming		Power Rating Code		Resistance Tolerance		Resistance Value		Taped type	
Fixed	Carbon Film Resistors	Code	Features	Code	Power Rating	Code	Tol.	Code	Resistance	Code	Type
- T	Taped box	108	1/8W	101	0.1 ∞	J	±5%	110	1 ∞	Nil	52mm
- A	Axial bulk	106	1/6W	210	10 ∞			310	100 ∞	S	26mm
- F	F-type bulk	104	1/4W	410	1k ∞						
- M	M-type bulk	102	1/2W								
		100	1W								
		200	2W								
Size feature		Code	Size								
-	Normal	S	Mini								

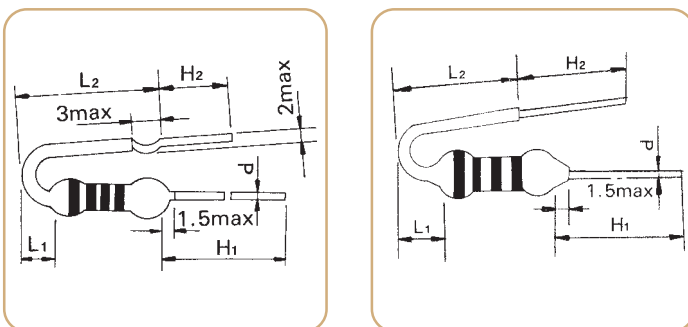
### 尺寸圖 DIMENSION

#### AXIAL - TYPE



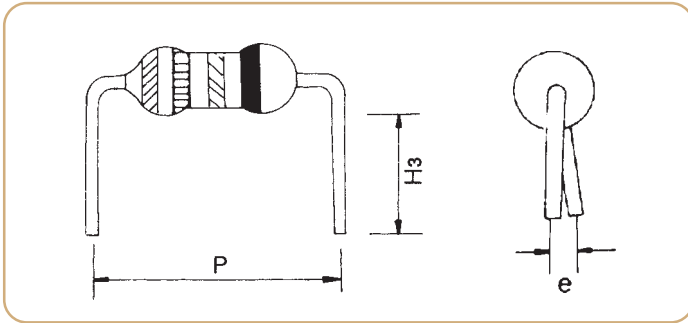
型號 Part Number	尺寸 Dimension (mm)			
	∅d	∅D	L	H ± 1
RCF-A-106/8 RCF-AS104	0.45 ± 0.02	1.7 ± 0.2	3.2 ± 0.2	28
RCF-A-104 RCF-AS102	0.52 ± 0.02	2.5 ± 0.3	6.0 ± 0.5	27
RCF-A-102 RCF-AS100	0.60 ± 0.05	3.0 ± 0.3	9.0 ± 0.5	27
RCF-A-100 RCF-AS200	0.70 ± 0.05	4.2 ± 0.3	11.0 ± 0.5	31
RCF-A-200	0.70 ± 0.05	4.8 ± 0.3	15.0 ± 1.0	33

#### F - TYPE



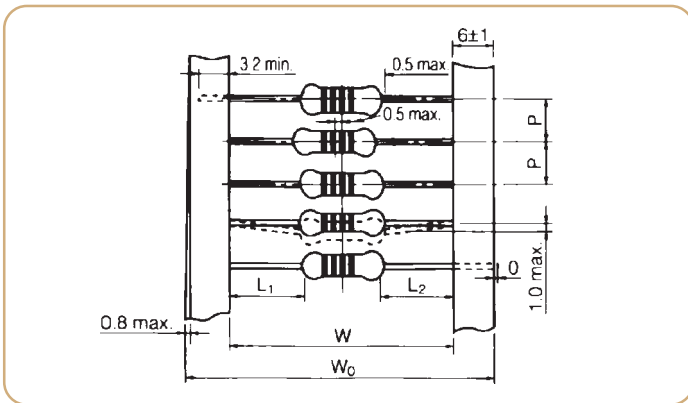
型號 Part Number	尺寸 Dimension (mm)			
	L1 max	L2 max	H1 ± 1	H2 min
RCF-F-106/8 RCF-FS104	2.5	6.0	28	8.5
RCF-F-104 RCF-FS102	3.0	10.5	27	10.0
RCF-F-102	3.5	12.5	27	10.0

**M - TYPE**



型號 Part Number	尺寸 Dimension (mm)		
	P	H <sub>3</sub>	e max
RCF-M-106/8 RCF-MS104	6.0	6.0	1.5
RCF-M-104 RCF-MS102	10.0	10.0	2.0
RCF-M-102 RCF-MS100	12.5	10.0	2.0
RCF-M-100 RCF-MS200	15.0	12.5	3.0
RCF-M-200	20.0	15.0	3.0

**TAPING SIZE**



型號 Part Number	尺寸 Dimension (mm)			Pcs / box
	W <sub>0</sub>	W	P	
RCF-T-106/8...S				
RCF-T-104...S	38 ± 1	26 ± 1	5.0 ± 0.3	5000
RCF-TS104...S				
RCF-T-106/8...				
RCF-T-104...	64 ± 1	52 ± 1	5.0 ± 0.3	5000
RCF-TS104...				
RCF-T-102...	64 ± 1	63 ± 1	5.0 ± 0.3	2000
RCF-TS100...				
RCF-T-100...	75 ± 1	63 ± 1	5.0 ± 0.3	1000
RCF-TS200...				
RCF-T-200...	85 ± 1	73 ± 1	10.0 ± 0.3	1000

定 格 RATINGS

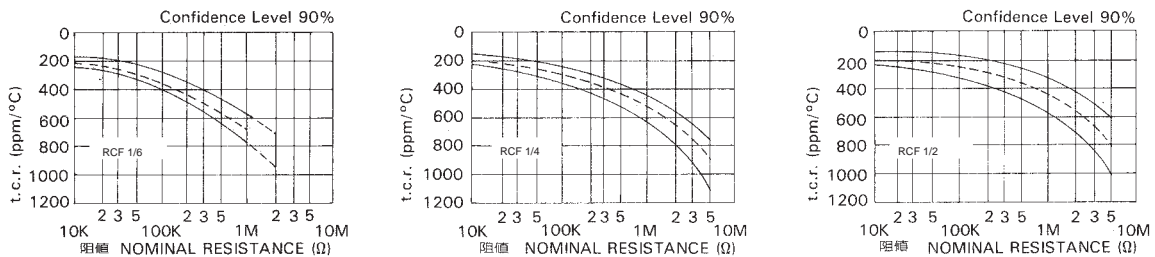
額定功率 Rated power	最高使用電壓 Maximum RCWV	最高過負荷電壓 Maximum Overload Voltage	最高斷續過負荷電壓 Maximum Intermittent Overload Voltage	耐電壓 Dielectric Withstanding Voltage	阻值容許差 Resistance Tolerance
1/8 W, 1/6W	250 V	400 V	500 V	300 V AC	J (± 5%)
1/4 W	300 V	600 V	750 V	500 V AC	J (± 5%)
1/2 W	350 V	700 V	1000 V	700 V AC	J (± 5%)
1 W	500 V	1000 V	1500 V	1000 V AC	J (± 5%)
2 W	750 V	1500 V	2000 V	1500 V AC	J (± 5%)

性能 CHARACTERISTICS

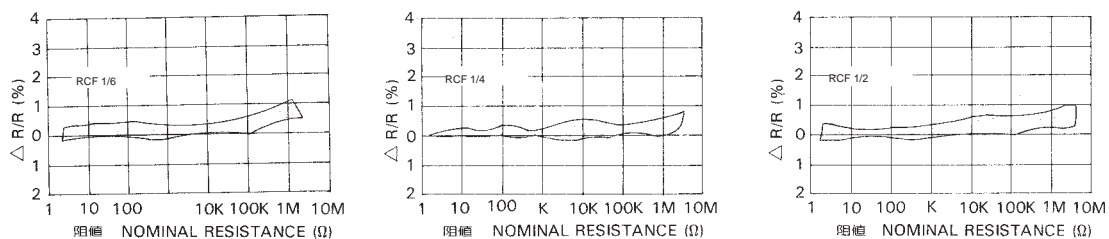
項目 REQUIREMENTS		性能 CHARACTERISTICS				試驗方法 TEST METHOD	
使用溫度範圍 Operating Temp Range		-55 - 155 °C				JIS C 5202	MIL-R-226848
溫度係數 Temp. Coefficient (ppm / °C)	Specifications	1/8 W, 1/6 W		1/4 W, 1/2 W, 1 W, 2 W		Temperature Coefficient (ppm / °C)	
		< 4.7Ω		< 4.7Ω		+ 350 ~ - 350	
		4.7Ω ~ 910Ω		4.7Ω ~ 62Ω		0 ~ -300	
		1kΩ ~ 62kΩ		68kΩ ~ 200Ω		0 ~ -500	
		68kΩ ~ 200kΩ		220kΩ ~ 510kΩ		0 ~ -700	
雜音 Noise (μV/V)	D.M. NOISE	0.1	0.3	0.6	1	5.2	4.6.11
		φ1.7mm	-----	Under 10kΩ	11kΩ - 100kΩ		
耐電壓 Dielectric Withstanding V.	無絕緣破壞跡象 No evidence of flashover, breakdown	φ2.5mm & over		110kΩ - 510kΩ	560kΩ - 2.2MΩ	Over 2.4M	
		Quan Tech Model 315 Resistor Noise Test Set.					
耐溶劑性 Resistance to solvents	依照MIL-STD-202E-215試驗方法之耐溶性試驗結果無機械及電氣上的損壞 The resistor shall withstand solvents in accordance with Article MIL-STD-202E-215 without producing the mechanical or electrical damage						
	Resistance body: M.O.V. 5 sec. Block Part of lead Insulated: 100V 5sec.						
阻值最大變化 MAX RESISTANCE CHANGES	短時間過負荷 Short Time Overload	± (0.75% + 0.05Ω)				5.5 條件 A	4.6.5
	焊接耐熱性 Effect of soldering	± (0.75% + 0.05Ω)				6.4	4.6.9
	溫度循環 Temp. Cycling	± (0.5% + 0.05Ω)				7.4-55%/85 °C	4.6.3
	耐振性 Vibration	± (0.5% + 0.05Ω)				6.3.3 種類 A	4.6.14
	耐溫負荷壽命 Moisture Resistance	± 3%				7.9 1000hr.	4.6.10
	負荷壽命 Load Life	± 3%				7.10 1000hr.	4.6.12

代表特性列 TYPICAL EXAMPLES

溫度係數 Temperature Coefficient



耐濕負荷 Moisture resistance (40°C 90 ~ 95% RH 1,000Hr)



雜音 Current Noise

雜音 Current Noise

