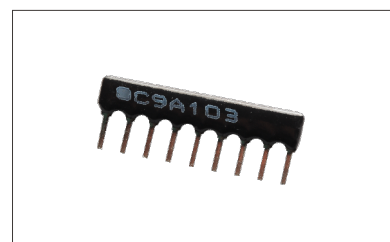


■ 厚膜网络电容器 Thick Film Network Capacitor



◆ 特点 Features

- * 按工业标准尺寸生产, 小型化, 组装密度高
Industry standard size, miniature, high density assembly
- * 可靠性高, 使用寿命长, 防潮性、抗腐蚀性好
High reliability, long life excellent moisture proof and cauterization
- * 设计灵活, 可根据用户要求生产
Free design, producing according to the consumer require

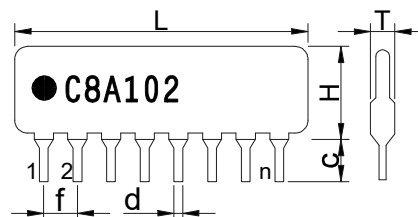
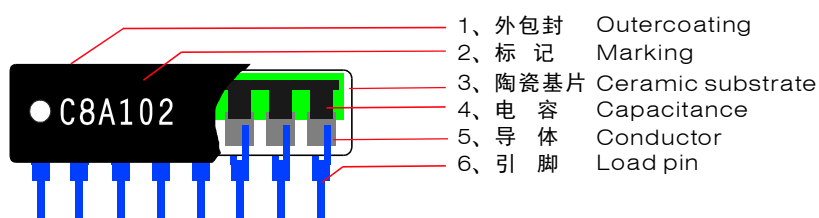
◆ 应用领域 Application

应用于空调机、传真机及通讯类产品。
Application to air conditioner, fax, and communication products.

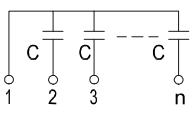
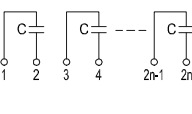
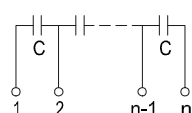
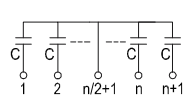
◆ 型号表示方法 Part Number

C		A	08	B	103	M	E	500	G				
电容网络外形 Shape		电路结构 代码 Type Code	引脚数 Pins	介质类型 Medium Type		电容量误差精度代号 Capacitance Tolerance Code		脚距代号 Code of Pin Distance		额定电压 Rating Voltage		环保代号 Code of Lead-Free	
代号 Code	参数 Parameter	A	04 ~ 14	B	X7R	代号 Code	误差精度 Tolerance	E	2.54 mm	160	16 × 10 ³ V	G	整体 无铅 Lead- Free All Body
C	Hmax =5.5mm	B		CG	COG	K	± 10%			250	25 × 10 ³ V		
CN	Hmax =8.5mm	C		E	Z5U	M	± 20%			500	50 × 10 ³ V		
		D		F	Y5V	S	+ 50% -20%						
					三位数（E-24系列）：前两位表示有效数字，第三位表示有效数字后零的个数。Three-digit（E-24 series）: the first two significant figures, said, the third represents a valid number of zeros. 例如 Examp Le: 103=10000pF								

◆ 结构 Construction

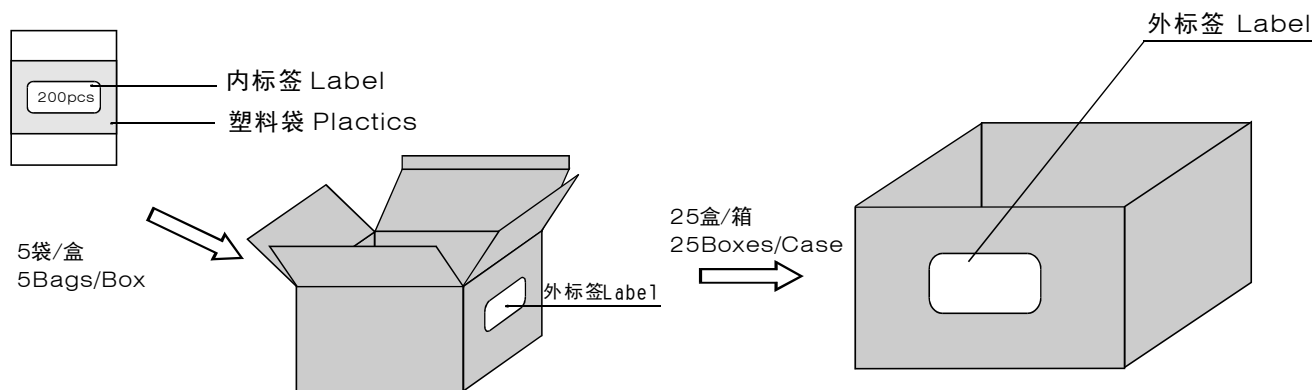


规格尺寸 Dimensions

电路型号 Circuit	原理示意图 Principle Drawing	尺寸 Dimensions 脚数 Pin	L(Max)mm	H(Max)mm		T (Max) mm	c	d	f(mm)
			2.54脚距	C型	CN型				E型
A		4 Pins	10.2	5.80	9.20	3.5	3.0~ 4.0mm	0.5mm	2.54
		5 Pins	12.7						
		6 Pins	15.3						
B		7 Pins	17.8						
		8 Pins	20.4						
		9 Pins	22.9						
C		10 Pins	25.4						
		11 Pins	28.0						
		12 Pins	30.5						
D		13 Pins	33.1						
		14 Pins	35.6						

包装 Packaging

* 包装 Packaging



* 包装数量 Packaging quantity

塑料袋散包装 Bag	袋 Bag	盒 Box	箱 Case
	200pcs	5Bags	25 Boxes Max.

◆ 特性 Characteristics

项目 Items	COG(CG)、NPO(N)		X7R(B)		Y5V(F)、Z5U(E)	
容量 Capacitance	10pF ~ 4.7nF		100pF ~ 0.22 μ F		2200pF ~ 1.0 μ F	
容量误差 Capacitance Tolerance	K = $\pm 10\%$ M = $\pm 20\%$		K = $\pm 10\%$ S = +80% M = $\pm 20\%$ -20%		M = $\pm 20\%$ S = +80% -20%	
额定电压 Rated Voltage	16V _{DC} , 25 V _{DC} , 50V _{DC}		16V _{DC} , 25 V _{DC} , 50V _{DC}		25V _{DC} , 50V _{DC}	
损耗正切 Dissipation	C ≥ 50 pF	D.F $\leq 0.15\%$	D.F $\leq 2.5\%$ (50V) D.F $\leq 3.5\%$ (16V,25V)		D、F $\leq 5.0\%$	
	C < 50pF	D.F $\leq 15\%$ (150Cr+7) $\times 10^{-4}$				
温度快速变化 Rapid Change of Temperature	$\Delta C/C$: $\leq 5\%$ 或1PF取最大者 $\leq 5\%$ or 1PF take greater one		$\Delta C/C$: $\leq 20\%$		$\Delta C/C$: $\leq 30\%$	
稳态湿热 Damp Heat, Steady State	$\Delta C/C$	$\leq 5\%$ 或1PF取最大者 $\leq 5\%$ or 1PF take greater one	$\Delta C/C$	$\leq 20\%$	$\Delta C/C$	$\leq 30\%$
	D.F	≤ 2 倍初始标准 ≤ 2 times of initial standard	D.F	≤ 2 倍初始标准 ≤ 2 times of initial standard	D.F	≤ 2 倍初始标准 ≤ 2 times of initial standard
温度特性 T.C Characteristics	$\Delta C/C$: $\leq 5\%$ 或1PF取最大者 $\leq 5\%$ or 1PF take greater one		$\Delta C/C$: $\pm 20\%$ 按绝缘电阻要求		介质 Dielectric	$\Delta C/C$
					Y5V(F)	+22 ~ -82%
					Z5U(E)	+22 ~ -56%
耐久性 Endurance	$\Delta C/C$	$\leq 5\%$ 或1PF取最大者 $\leq 5\%$ or 1PF take greater one	$\Delta C/C$	$\leq 20\%$	$\Delta C/C$	$\leq 30\%$
	D.F	≤ 2 倍初始标准 ≤ 2 times of initial standard	D.F	≤ 2 倍初始标准 ≤ 2 times of initial standard	D.F	≤ 2 倍初始标准 ≤ 2 times of initial standard
	外观 Appearance	无可见损伤 No visible damage	外观 Appearance	无可见损伤 No visible damage	外观 Appearance	无可见损伤 No visible damage
包封绝缘阻抗 Coating insulation resistance	施加500VDC, 绝缘阻抗大于100M Ω . The insulation resistance greater than 100M Ω on applying 500V _{DC} voltage.					
耐电压 Voltage Proof	施加额定值2.5倍电压持续5秒, 无可见损伤或击穿现象. Apply 2.5 \times rating voltage for 5 seconds, there shall be no evidence of damage or flash over during the test.					
包封绝缘耐电压 Coating dielectric with standing voltage	施加500VDC, 保持1分钟, 无弧光、无燃烧及本体被击穿现象. There shall be no flash, no extinguishing and dielectric coating breakdown on applying 500V DC for one minute.					
可焊性 Solderability	在260 $\pm 5^\circ\text{C}$ 的焊料槽内浸入时间2 ± 0.5 秒, 上锡面积 $\geq 95\%$. the capacitors are completely immersed in the molten rosin for 2 ± 0.5 with a temperature of 260 $\pm 5^\circ\text{C}$, wetting area $\geq 95\%$.					
耐溶剂 Component Solvent Resistance	使用溶剂: 异丙醇; 溶剂温度: (23 ± 2) $^\circ\text{C}$; 浸泡时间: (10 ± 1)h Solvent: isopropyl alcohol; solvent temperature: (23 ± 2) $^\circ\text{C}$; soaking time: (10 ± 1)h					