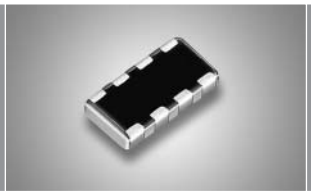
Film Type Capacitor Array
CN Series



Features

- Cost down solution in SMD and Material.
- Compact size for 4 capacitors in one package(8P4C).
- Thick film process enhance terminal electrode construction.
- With marking on the surface which is easy to identify.
- Excellent solderability with plating electrode.
- RoHS compliance.

Applications

Applications for I/O port for Mother Board and Note Book (RS232,1284,PS2,USB,…), and Panel link circuit (TFT LCD monitor & Panel) etc.

How to Order

CN41 220 K A

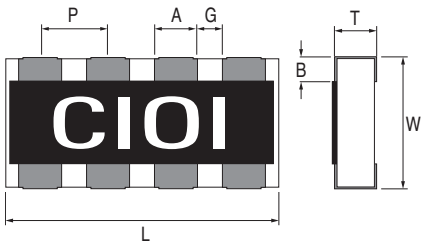
1 2 3 4

1. Series Type : CN41
2. Capacitance value: XX x 10^{N} → XXN
   ex: 22pF=22x10^{0} → 220
   *range: 10pF~330pF
3. Tolerance :M— ±20%; K— ±10%
4. Product Type :A

Dimensions

Unit:mm

Size (EIA)	3216 (1206)
L	3.2 ± 0.3
W	1.6 ± 0.2
T	0.5 ± 0.1
P	0.8 Typ.
A	0.5 ± 0.2
B	0.3 ± 0.2
G	0.3 ± 0.2



Specifications

Capacitance Range	10pF, 15pF, 22pF, 33pF, 47pF, 68pF, 180pF, 220pF, 330pF
Capacitance Tolerance	±10% (K), ±20% (M)
Temperature Characteristic	ΔC: +20%/-20% (-25℃ ~ +50℃)
Dissipation Factor	Less than 3.0% (25℃, 1kHz*, 1Vrms)
Operating Temperature Range	-25℃ ~ +85℃
Rate applied	25v

*In measuring at 1MHz,Capacitance Value and Dissipation Factor are different

Electrical Performance

Item	Specifications	Test Methods
Capacitance	Within the specified tolerance. ±10% for K tolerance ±20% for M tolerance	Capacitance value shall be measured at the condition specified below. Frequency: 1 kHz ±10% Voltage: 1±0.2 Vrms Temperature: 25 ± 2°C
Dissipation Factor (DF)	3.0% in max.	Dissipation factor shall be measured at the same condition in 6-3-1.
Temperature Characteristic	Capacitance change(ΔC): -55% to +20%	Capacitance change shall be calculated by the below formula. $\frac{C_2 - C_1}{C1} \times 10^2$ (%) C_1: capacitance value at 25°C C_2: capacitance value at test temperature (-25°C to +85°C)
Insulation Resistance (IR)	1000MΩ in min.	Insulation resistance value shall be measured at rated voltage.
Withstanding Voltage	No evidence of mechanical damage, arcing breakdown.	A potential of 2.5 times rated voltage shall be applied between 2 terminals of capacitor for 1 to 5 seconds.

Package

Standard packing quantity

Size (EIA)	3216 (1206)
Quantity (pcs/reel)	5,000pcs