

Ceramic Capacitor Array

1206 and 0805 Type

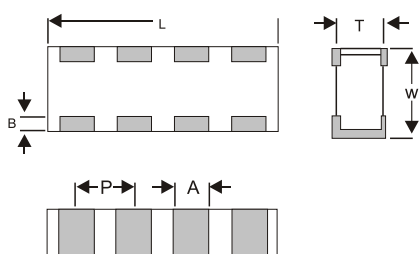
FEATURES

- Space saving 50% less
- Cost saving in SMT Processes
- High volumetric efficiency
- Dense dielectric layers
- RoHS Compliance

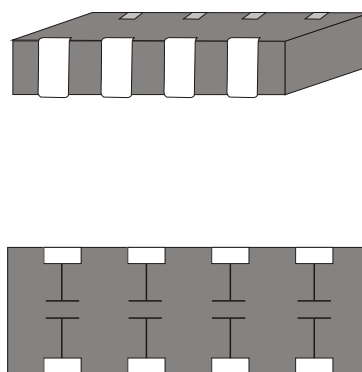
APPLICATIONS

- Computer & peripherals (PCs)
- Telecommunication electronics
- Consumer electronics
- Testing & measurement meters

DIMENSIONS



CROSS-SECTION STRUCTURE



(All numbers are in mm)

Type	L	W	T		A	B	P
			Max.	Min.			
1206(0603*4)	3.20±0.15	1.60 ±0.15	1.20	0.50	0.40±0.10	0.30±0.20	0.80±0.10
0805(0402*4)	2.00±0.15	1.25 ±0.15	0.80	0.60	0.28±0.10	0.20±0.10	0.50±0.10

PART NUMBERING SYSTEM

Capacitor arrays can be ordered using Skywell part number illustrated as follows:

For example: CA03N220K50-4

CA03	CG	220	K	50	—	4
Type	Dielectric	Capacitance	Tolerance	Voltage	Dash	Cap Numbers
CA03=1206	CG=NPO	3-digit code	J=±5%	10=10v		2 & 4 capacitors
CA02=0805	2R =X7R	(Here is 22pF)	K=± 10%	16=16v		are available
	2E =Y5V		M=± 20%	25=25v		
			Z=-20+80%	50=50v		

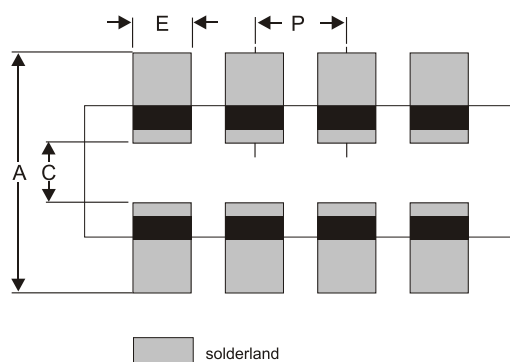
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SPECIFICATION REFERENCE DATA

Dielectric & Type	NPO	X7R			Y5V
		10V	16V	25V	
Cap Range for 1206(0603*4)	10pF~1000pF	220pF~0.22uF	1000pF~0.1uF	1000pF~0.022uF	0.01uF~0.47uF
Cap Range for 0805(0402*4)	10pF~220pF	100pF~0.1uF	220pF~0.022uF	1000pF~0.01uF	0.01uF~0.1uF
Capacitance Tolerance	$\pm 5\%$ & ± 10 (std.)	$\pm 10\%$, & $\pm 20\%$ (standard)			+80-20%
Rated Voltage	25v and 50v	10v,16v and 25v,50v is by request			25v and 50v
Test Voltage (DC) 1 Min.at U_R	$2.5*U_R$	$2.5*U_R$			$2.5*U_R$
Tan D (DF)	$\leq 0.1\%$	$\leq 5\%$ (10v), $\leq 3.5\%$ (16v) and $\leq 2.5\%$ (25v)			$\leq 7\%$
IR after 1 Min at U_R	$> 100G \Omega$	$> 10G \Omega$			$> 10G \Omega$
Temperature Coefficient	0 ± 30 ppm	$\pm 15\%$ (-55°C~125°C)			+30-80%
Termination	Ni/Sn or Pd/Ag	Ni/Sn or Pd /Ag			Ni/Sn

RECOMMENDED SOLDER PAD



Footprint Dimensions (in mm)

Type	A	C	P	E
CA03(1206)	2.54 ± 0.15	0.76 ± 0.10	0.80 ± 0.10	0.45 ± 0.10
CA02(0805)	2.00 ± 0.20	0.50 ± 0.10	0.50 ± 0.10	$0.30+0.02/-0.05$

Please contact us at Email: sales@skywellnet.com if you have any question.