

## ■ How To Order

CT4      0805      Y      104      M      50      P  
 ↓            ↓            ↓            ↓            ↓            ↓            ↓  
 A            B            C            D            E            F            G

A:

Product type	
Code	Type
CC4	Class I dielectric radial leads
CT4	Class II dielectric radial leads

B:

Unit: Inches

Cmos chip size(L×W)	
Code	Chip size
0805	0.06×0.03/0.08×0.05
1206	0.12×0.06
1210	0.12×0.10
1812	0.18×0.12
2225	0.22×0.25
3035	0.30×0.35

C:

Temperature characteristics			
N	COG(NPO)	0±30ppm/°C	(-55~+125°C)
X	X7R	±15%	(-55~+125°C)
Y(F)	Y5V	+30%~-80%	(-25~+85°C)
Z	Z5U	+22%~-56%	(+10~+85°C)

D:

Capacitance
First two digits are significant third digit is number of zeros.
For example: 104=100000pf    5R6=5.6pf

E:

Tolerance	
B	±0.10pF
C	±0.25pF
D	±0.5pF
F	±1.0%
G	±2.0%
J	±5.0%
K	±10%
M	±20%
N	±30%
S	+50%~-20%
Z	+80%~-20%
P	+100%~-0%

B,C,D For C<10pF  
 NPO: B,C,D,F,G,J,K,M  
 X7R: K,M,S,Z  
 Y5V/Z5U: M,S,Z,P

F:

Rated voltage
The code meaning is same as capacitance For example: 25=25V 50=50V 100=100V

G:

Packaging style		
Tape & Reel	P	Ammo
	T	Reel
Bulk	F1	2.54mm
	F2	3.5mm
	F3	5.08mm

(F1,F2,F3 is pitch size)

## ■ Size Code, Capacitance And Voltage

Size code	shape	Dimensions(mm)				Voltage	Capacitance(pF)		
		F(±0.5)	L max	W max	T max		NPO	X7R	Y5V
0805	b	2.54	4.2	3.8	3.0	25V	OR5~103	101~105	103~475
	C2	5.08				50V	OR5~103	101~474	103~105
	C3	5.08				100v	OR5~103	101~104	103~104
1206	a	2.54	5.0	4.5	3.5	25V	OR5~104	101~225	103~106
	b	3.5				50V	OR5~473	101~225	103~106
	C2	5.08				100v	OR5~473	101~105	103~155
1210	a	2.54	5.0	4.5	3.5	25V	OR5~104	101~106	103~106
	b	3.5				50V	OR5~473	101~475	103~106
	C2	5.08				100v	OR5~473	101~105	103~155
1812	b	5.08	7.0	6.0	4.0	25V	OR5~104	101~106	103~106
						50V	OR5~104	101~106	103~106
						100v	OR5~473	101~105	103~155
2225	b	5.5	10.0	9.0	4.5	25V	OR5~104	101~106	103~106
						50V	OR5~104	101~106	103~106
						100v	OR5~473	101~105	103~155
						25V	OR5~104	101~106	103~106

3035	b	7.5	12.0	10.0	4.5	25V	OR5~104	101~106	103~106
						50V	OR5~104	101~106	103~106
						100v	OR5~473	101~105	103~155
<p><b>Notice1:</b> Normal length of lead is 10mm(±1), it can be adjusted to 3.0~25mm as per customer's requested.</p> <p><b>Notice2:</b> The diameter of lead is <math>\phi 0.5 \pm 0.05</math>mm.</p>									

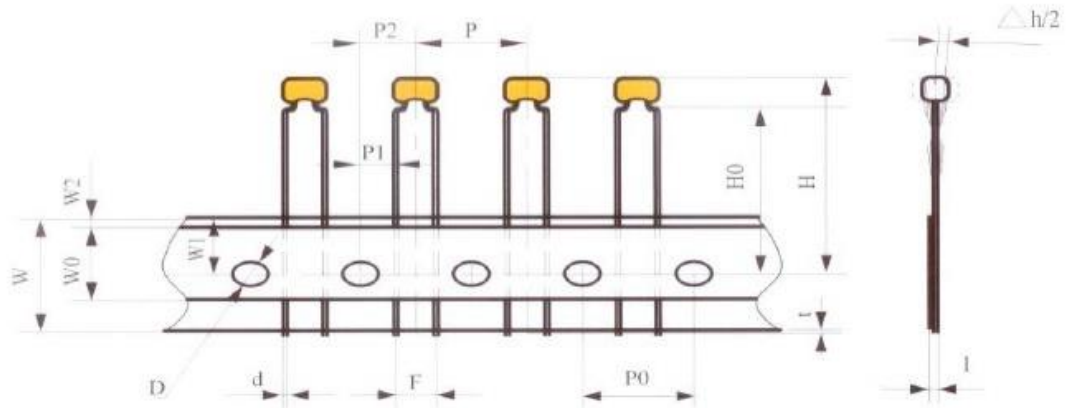
### ► Bulk

Leads in normal length : 1000 pcs/bag

Long leads : 500 pcs/bag

### ► Tape & Reel

● Tape & Reel



\* Note: P1=3.85mm for F=5.0mm P1=5.1mm for F=2.5mm

Code	P	P0	P1	P2	d	H	W	W0	W1	W2	Δh	H0	l	D	t
Dim	12.7	12.7	3.85 5.1	6.35	0.5	32.25	18.5	12	9	1.5	0	15-20	1.0	4.0	0.7
Tol	±0.2	±0.2	0.7	±1.3	±0.1	Max	±1	±1	±0.5	±1.5	±2	±0.5	Max	±0.2	Max

● Ammo packaging

● Reel packaging