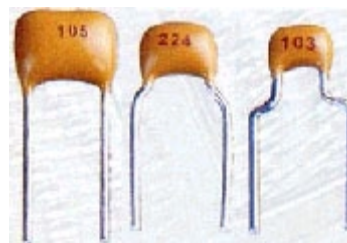


# CC4 CT4 Radial Leads Multilayer Ceramic Capacitors

## Features

Wide capacitance, temperature, voltage and tolerance range;  
Industry sizes; Tape and Reel available for autoplacement; a lot of leads type available;



## Radial Type Size, Capacitance and Voltage

Size	Type	Dimensions(mm)						Voltage	Capacitance(pF)		
		F	Hmin	Lmax	Wmax	Tmax	D		COG(NPO)	X7R	Y5V(Z5U)
0805	A1	5.0						25V	0R5~332	221~105	103~105
	B1	5.0	5.0	4.2	3.8	3.8	0.5	50V	0R5~222	221~105	103~684
	C1	2.5						100V	0R5~102	221~683	
1206	B2	5.0	5.0	5.0	4.5	3.8	0.5	25V	0R5~682	102~105	103~105
	C2	4.0						50V	0R5~472	102~105	103~105
								100V	0R5~392	102~683	
1210	C3	5.0	5.0	7.6	5.5	3.8	0.5	25V	561~103	102~334	104~105
	C2	4.0						50V	561~682	102~205	104~105
								100V	561~472	102~104	
1812	C3	5.0	5.0	8.5	8.5	3.8	0.5	25V	102~153	103~474	154~335
								50V	102~103	103~334	154~225
								100V	102~682	103~224	
2225	C4	7.5	5.0	10.5	9.5	4.2	0.5	25V	102~223	103~105	684~475
								50V	102~223	103~105	684~335
								100V	102~103	103~474	
3035	C4	7.5	5.0	12.5	10.5	4.2	0.5	25V	102~104	103~225	105~106
								50V	102~473	103~225	105~685
								100V	102~333	103~105	

## How To Order

CT4 0805 Y 104 Z 500 A1 T

CT4	0805	Y	104	Z	500	A1	T
Type	Size code	Dielectric	Cap.(pF)	Cap. Tolerance	Voltage	Leads Type	Packaging
CC4 class dielectric for radial leads	(mm) LxW 0805=2.0x1.25	N=NPO B=X7R	104=100000(pF) Two significant	B=±0.01pF C=±0.25pF	500=50V 101=100V	A1 B1,B2	T=Reeled No code
CT4 class dielectric for radial leads	1206=3.2x1.6 1210=3.2x2.5 1812=4.5x3.2 2225=5.7x6.4 3035=7.6x9.0	Y=Y5V (Z5U)	digits followed by no. of zeros	D=±0.50pF F=±1.0% G=±2.0% J=±5.0% K=±10% M=±20% S=+50%/-20% Z=+80%/-20%		C1,C2,C3,C4	is bulk Package

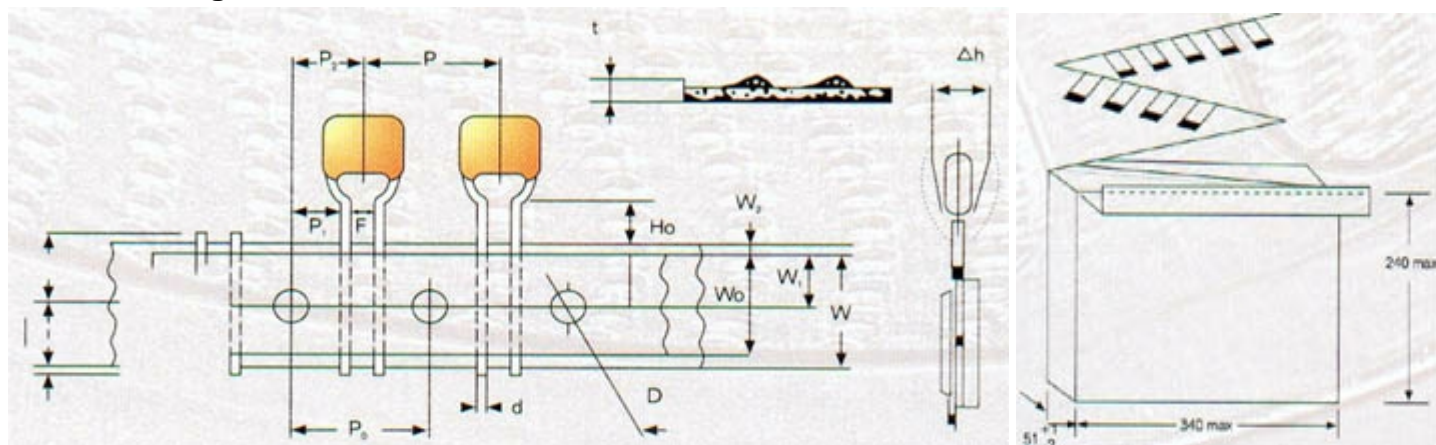
# CC4 CT4 Radial Leads Multilayer Ceramic Capacitors

## General Specifications

		CC4 (NPO,COG)	CT4 (X7R)	CT4 (Y5V,Z5U)	
Capacitance Range		0.5pF~104	221~225	103~106	
Capacitance Tolerance		B=±0.1pF C=±0.25pF D=±0.5pF F=±1% G=±2% J=±5% K=±10% M=±20% B,C,D for C < 10pF	K=±10% M=±20% S=+50%~-20%	M=±20% S=+50%~-20% Z=+80%~-20% P=+100%~0	
Rated Voltage		16,25, 50, 63, 100,200,500,1000,2000 VDC		16,25,50,100 VDC	
Dissipation Factor(DF)		0.15%Max (20 ,1MHZ,1VDC)	2.5%Max (20 ,1KHZ,1VDC)	5.0%Max (20 ,1KHZ,0.3VDC)	
Insulation Resistance		C 10nF I <sub>R</sub> 10000M C 10nF I <sub>R</sub> >500 .F	C 25nF I <sub>R</sub> 4000M C 25nF C×R>100 F		
Dielectric With Standing Voltage		There shall be no evidence of damage or flash over during the test.			
Termination adhesion strength		There shall be no evidence of damage or flash over during the test.			
Bending Strength		There shall be no evidence of damage or flash over during the test,capacitance tolerance shall be not more than 10%.			
Solderability	Time:	2±1s			
	Temp.:	235±5			
	Cover:	95%			
Resistance to Soldering Heat	Time:	5±1s			
	Temp.:	265±5			
	Cover:	95%			
	C/C:	0.5% or 0.5pF	-5% ~ +10%	-10% ~ +20%	
Temperature cycling	C/C:	1%	± 10%	±30%	
	Outlook:	There shall be no evidence of damage or flash over during the test.			
Humidity Moisture Resistance	C/C:	2%	10%	20%	
	DF	0.003	0.05	0.07	
	IR	R×C>25s			
	Outlook:	There shall be no evidence of damage or flash over during the test.			
T.C. Characteristics ( C/C)		±30ppm/	±15%	Z5U(E)	+22~-56%
				Y5V(F)	+22~-82%
Vibration	Outlook:	There shall be no evidence of damage or flash over during the test.			
Bump	C/C:	2%			
	Outlook:	There shall be no evidence of damage or flash over during the test.			
Life test (1000hours)	C/C:	2%	±12.5%	±30.0%	
	DF	0.003		0.05	
	IR	R×C>25s		R×C 25s	
	Outlook:	There shall be no evidence of damage or flash over during the test.			

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## Packing style Ammo Package



Code	P	P <sub>0</sub>	W	W <sub>0</sub>	H <sub>2</sub>	W <sub>2</sub>	H <sub>1</sub>	D	T	h	H	S	P <sub>1</sub>	P <sub>2</sub>	P
Dimension	12.7	12.7	18	5	9	0	32.5	4	0.5	0	16-18	5	3.85	6.35	1.3
Tolerance	±1	±0.3	+1 -0.5	min	±0.5	1	Max	±0.2	±0.2	±0.2	±0.5	±0.5	±0.7	±0.4	Max

## Reel Package

A	B(Max)	C	D(Max)	E(Max)	F
355-365	50.8	38.10-46.02	102.01	86.36	25.40-30.48

(mm)

## Packaging Q'ty(pcs)

Reel Package	Ammo Package	Bulk Package
2500	4000	1000

## Dimension of box (mm)

