

CC4 CT4 Radial Leads Multilayer Ceramic Capacitors



Features

Wide capacitance, temperature, voltage and tolerance range;

Industry sizes; Tape and Reel available for auto placement; a lot of leads type available.

ELECTRICAL PROPERTIES STANDARD

ITEM	TEST STANDARD			
	NPO/CG/CH/RH UJ/SL	X7R(B)	Z5U(E)	Y5V(Y/F)
(C) capacitance	In the tolerance	In the tolerance	In the tolerance	In the tolerance
(DF) Dissipation Factor	≤0.15%	≤3.5%	≤5%	< 7.5%(220nF)
				<10%(220~470nF)
				<15%(470~1000nF)
(IR) Insulation Resistance	≤10nF	≤25nF	≤25nF	≤25nF
	IR ≥ 10000MΩ	IR ≥4000MΩ	IR ≥4000MΩ	IR ≥4000MΩ
	C>10nF	C>25nF	C>25nF	C>25nF
	R·C ≥100S	R·C ≥100S	R·C ≥100S	R·C ≥100S
Withstanding Voltage	2.5rated voltage	2.5rated voltage	2.5rated voltage	2.5rated voltage
Test Condition				
Test Frequency	1MHZ (C>1000PF 1KHZ)	1KHZ	1KHZ	1KHZ
Test Voltage of Cap.&D.F	1±0.2V	1±0.2V	0.3±0.2V	0.3±0.2V
Test Voltage of IR	rated voltage	rated voltage	rated voltage	rated voltage
Temperature	18~25	18~25	18~25	18~25
Humidity	<75%	<75%	<75%	<75%

SIZE CODE,CAPACITANCE AND VOLTAGE

尺寸 规格 Size code	外形 shape	Dimensions:(mm)					工作电 压 Voltage	容量范围 Capacitance (PF)		
		F (±0.5)	Hmin (±1)	Lmax	Wmax	Tmax		COG(NPO)	X7R	Y5V (Z5U)
0805	a	2.54	5.0							
	b	2.54	10.0				25V	OR5~332	221~105	
	c1	5.08	5.0 10.0	4.2	3.8	3.8	50V	OR5~222	221~105	103~105
	c2	5.08	5.0				100V	O5R~102	221~683	103~684
	c3	5.08	5.0 10.0							
1206	a	2.54					25V	OR5~682	102~105	103~125
	b	3.50	10.0	5.0	4.5	3.8	50V	OR5~472	102~105	103~105
	c1	5.08					100V	OR5~392	102~105	
1210	b	3.50	10.0	5.0	5.5	3.8	25V	561~103	102~334	
	c1	5.08					50V	561~682	102~205	104~155
							100V	561~472	102~105	
1812	b	4.57	10.0	8.5	6.5	3.8	25V	102~153	103~474	
							50V	102~103	103~334	154~335
							100V	102~682	103~105	
2225	b	5.50	10.0	10.5	9.5	4.2	25V	102~223	103~105	
							50V	102~223	103~105	684~475
							100V	102~103	103~474	
3035	b	7.50	10.0	12.5	10.5	4.2	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	Dielectric	Capacitance	Cap.Tol.	Voltage	Leads type	Package
CC4	(mm) L×W	N=NPO	104=100000(pF)	B=±0.01pF	500=50V	A1	T =Tape package
CT4 Class II	0805=2.0×1.25	B=X7R		C=±0.25pF	101=100V	B1,B2	B=Bulk
	1206=3.2×1.6	Y=Y5V		D=±0.50pF		C1	
	1210=3.2×2.5	(Z5U)		F=±1.0%			
	1812=4.5×3.2			G=±2.0%			
	2225=5.7×6.4			J=±5.0%			
	3035=7.6×9.0			K=±10%			
				M=±20%			
				S=+50%/-20%			
				Z=+80%/-20%			