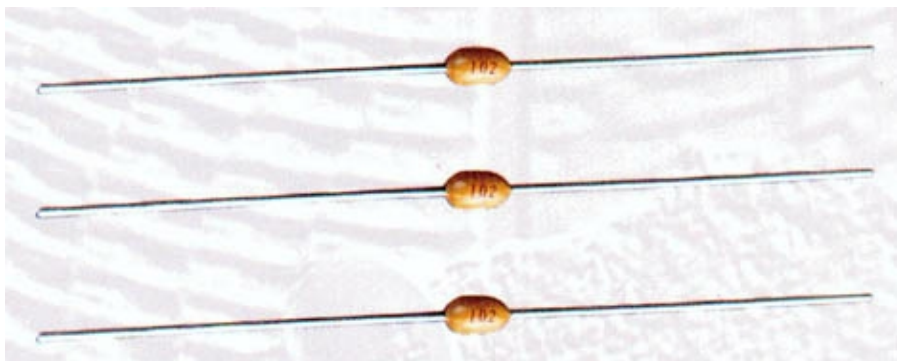


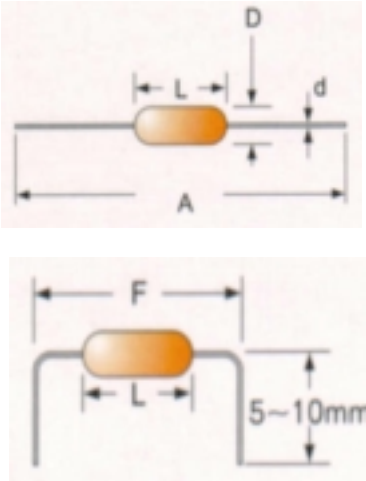
CC42 CT42 Axial Radial Leads Multilayer Ceramic Capacitors

Features

With the features of wide capacitance, good temperature characteristics , high voltage and little tolerance range;



Radial Type Size,Capacitance and Voltage

	Size	Dimensions(mm)					Voltage	Capacitance(PF)		
		Lmax	Dmax	F		D		COG(NPO)	X7R	Y5V(Z5U)
17	17	4.3	2.5	5.0	10	0.45	25V	0R5~332	331~104	103~105
							50V	0R5~222	331~473	103~684
							100V	0R5~102	331~223	
20	20	5.1	3	7.5	10	0.45	25V	0R5~472	102~224	103~125
							50V	0R5~392	102~104	103~105
							100V	0R5~152	102~683	

How To Order

CT42 104 Z 17 Y 500 T

CT42	104	Z	17	Y	500	T
Type	Cap.(pF)	Cap. Tolerance	Companet Length	Dielectric	Voltage	Package
CC42 class axial leads MLCE	104=100000(pF)	B=±0.01pF	(inch)	N=NPO	500=50V	T=Tape & Reel
CT42 class axial leads MLCE	Two significant digits followed by no. of zeros	C=±0.25pF	17	B=X7R	101=100V	A=Ammo
		D=±0.50pF	20	Y=Y5V (Z5U)		
		F=±1.0%				
		G=±2.0%				
		J=±5.0%				
		K=±10%				
		M=±20%				
		S=+50%/-20%				
		Z=+80%/-20%				

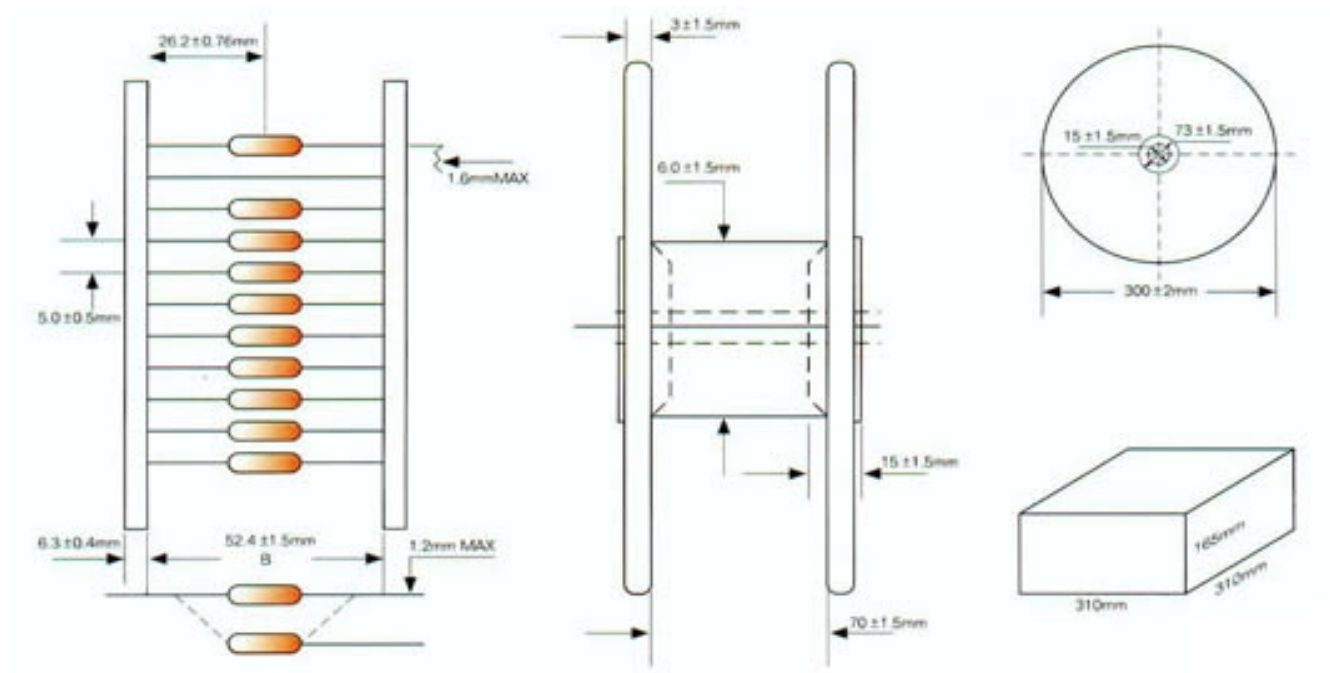
CC42 CT42 Axial Radial Leads Multilayer Ceramic Capacitors

General Specifications

		CC42 (NPO,COG)	CT42 (X7R)	CT42 (Y5V,Z5U)			
Capacitance Range		0.5pF~0.1uF		331~224		103~125	
Capacitance Tolerance		B=±0.1pF C=±0.25pF D=±0.5pF F=±1%		K=±10%		M=±20%	
		G=±2% J=±5%		M=±20%		S=+50%~-20%	
		K=±10% M=±20%		S=+50%~-20%		Z=+80%~-20%	
		B,C,D for C <10pF				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 _R 10000M C 10nF I _R >500 .F		C 25nF I _R 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.					

CC42 CT42 Axial Radial Leads Multilayer Ceramic Capacitors

Packing style
Tape & Reel Package



Packaging Q'ty(pcs)

Size	Reel& Tape	Ammo Package	Bulk Package
17	5,000	5,000	1000 or 500
20	2,500	2,500	500

