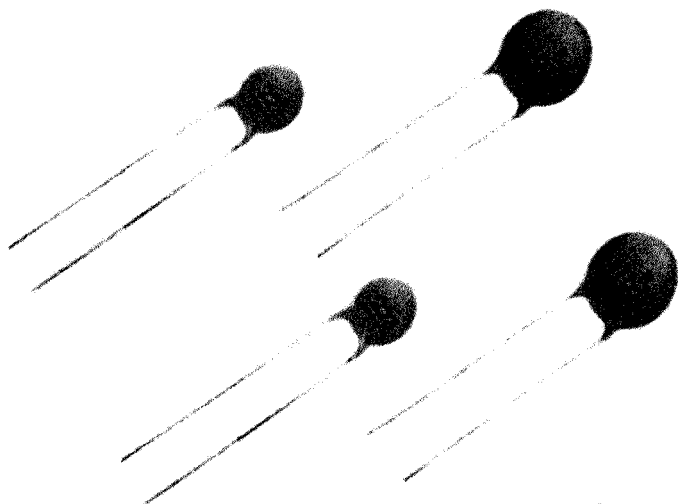


## JW.C

### TYPE CS1 fixed ceramic dielectric capacitors



#### Features and usage

This capacitor has characteristics of small volume large capacitance. High colse frequency. Excellent temperature coefficient. The capacitors are suitable for exceed High frequency, wide band pass close by circuit and coupling capacitor or used circuit of dissipation factor and insulation Resistance low demand.

The capacitor is round chip phenolic package seal round wire lead out of one direction and this capacitor is suitable for printed circuit installation.

#### Important specifications and test

1) Rated voltage (DC): 16V; 25V; 50V (63V)

2) Nominal capacitance:

Values in compliance with IEC63. Norm E12 series.

Test conditions: Test voltage: 0.1Vrms

Test frequency: 1KHz

Test temperature:  $25 \pm 2^\circ\text{C}$

3) Capacitance tolerances:

$\pm 10\%$ (K);  $\pm 20\%$ (M);  $+80/-20\%$ (Z)

4) Dissipation factor:

Y5P.Y5U.Y5V.  $U_R = 16\text{V}$ :  $\text{tg } \delta \leq 7 \times 10^{-2}$

$U_R = 25\text{V}; 50\text{V}$ :  $\text{tg } \delta \leq 5 \times 10^{-2}$

Test conditions: Test voltage: 0.1Vrms

Test frequency: 1KHz

Test temperature:  $25 \pm 2^\circ\text{C}$

5) Insulation resistance:

$C_R \leq 25\text{nF}$ :  $I_R > 1000\text{M}\Omega$

$C_R > 25\text{nF}$ :  $I_R \cdot C_R > 10\text{s}$

Test conditions: Test voltage =  $U_R$ , Insulation

Resistance behind most test in one minute,

Inside Resistance of Measurable modifier accord with

$r \cdot C_R \leq 1\text{S}$ , charge current  $\leq 50\text{mA}$ .

6) Withstand Voltage:

$U_R$  No breakdown or are one minute Inside Resistance of

power source accord with  $r \cdot C_R \leq 1\text{S}$ , charge current  $\leq 50\text{mA}$ .

# JW.C

## TYPE CS1 fixed ceramic dielectric capacitors

Shape and Dimension table

Dimension code	Dimension					Lead Style
	D	H	L	F	D	
04	4,5	3,5	1,5	2,5	0,5	a,b,c
05	5,0	3,5	1,5	2,5	0,5	a,b,c
06	6,3	3,5	1,5	5	0,5	a,b,c
07	7,0	3,5	1,5	5	0,5	a,b,c
08	8,0	3,5	1,5	5	0,5	a,b,c
09	9,5	4	1,5	5	0,5	a,b,c
10	10	4	1,5	5	0,6	a,b,c
12	12,5	4	1,5	5	0,8	b

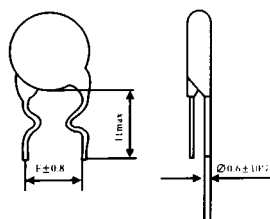
Temp characteristic table

ELA character Code	Temp Range	Allowable Cap shift	IEC Code	MAR.Code
Y5P	-30 °C to +85 °C	±10%	2B4	B
Y5U	-30 °C to +85 °C	+22/-56%	2E4	D (or E)
Y5V	-30 °C to +85 °C	+22/-82%	2F4	F

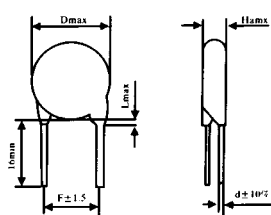
Product specifications

Dimension code	Rated Voltage	Temperature performance coefficient					
		Y5P (B)		Y5U (DorE)		Y5V (F)	
		Cap.sp	cap.tol	Cap.sp	cap.tol	Cap.sp	cap.tol
05	16V	22000-100000	KM	20000-47000	M,Z	22000-100000	Z
06		22000		33000-50000		100000	
07				100000			
08		47000		100000		220000	
10		100000		220000		330000	
12						470000	
04	25V		KM		M,Z	10000-22000	Mz
05		1500-10000		22000-47000		33000-47000	
06		15000-22000		47000-68000		47000-100000	
07		33000		100000		100000	
08		33000-47000		100000			
09		68000				220000	
10		100000		220000		220000	
04	50V (63V)		KM		M,Z	10000-22000	Z
05		1500-8200		15000-33000		33000-47000	
06		10000		47000		47000-68000	
07		22000		68000		100000	
08		33000		100000		100000	
09		47000					
10		47000				220000	
12		100000					

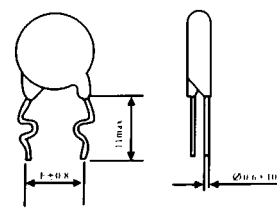
Outline Figure



Type(a)-kink Type



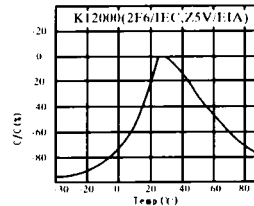
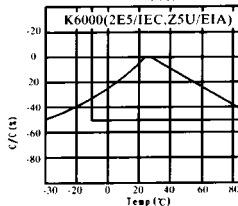
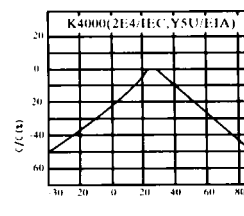
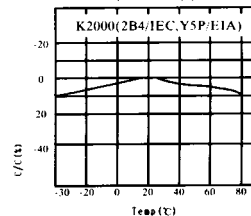
Type(b)-straight Lead



Type(c)-kink Type

Temp characteristic

Class II/III(KK/KS)(CTI/CSL)



Nominal cap.code

Nominal cap (PF)	Nominal cap.code
1	1
10	10
100	101
1000	102
10000	103
100000	104

Cap.Tolerance

Cap.Tolerance	Code
+0.25PF	C
+0.5PF	D
+5%	J
+10%	K
+20%	M
+50%	S
-20%	Z
+100%	H