

嘉耐股份有限公司  
**JYA NAY CO., LTD.**

中高壓用陶瓷電容器  
**CERAMIC DISC CAPACITORS**  
**2~10KV DC**  
**CLASS II**

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# High Voltage Ceramic Capacitor

## PART NUMBER CODE

3D	09	B	102	K	Y	7	2	1	N
1	2	3	4	5	6	7	8	9	10

### 1. Rated Voltage

Code	3A	3D	3F	3G	3J	3K	4A	4C
Rated Voltage	1KV DC	2KV DC	3KV DC	4K VDC	6K VDC	8K VDC	10K VDC	15K VDC

### 2. Body Diameter(D:mm)

Code	05	06	07	08	09	10	11	12	14	16	18	20
D max.	5.5	6.5	7.5	8.5	9.5	10.5	11.5	12.5	14.5	16.5	18.5	20.5

### 3. Temperature Characteristics

Code	B(Y5P)	R(X7R)	E(Y5U Z5U)	F(Y5V Z5V)
Cap.Change (%)	±10	±15	+22 -56	+22 -82

Code	C (NPO)	SL
Temp.coeff. (ppm/°C)	0±60	+350 -1000

### 4. Capacitance

Code	Capacitance(PF)
010	1
1R5	1.5
100	10
101	100
102	1000
222	2200
104	100000
224	220000

### 5. Capacitance Tolerance

Code	Cap. Tol.
C	±0.25PF
D	±0.5PF
J	±5%
K	±10%
M	±20%
S	+50%~-20%
Z	+80%~-20%
P	+100%~-0%

### 6. Lead Shape Code

Code	Lead Configuration
K	INSIDE KINK
D	OUTSIDE KINK
Y	VERTICAL CRIMP
L	STRAIGHT

### 7. Lead Spacing Code (F)

Code	Dimension(mm)
1	12.5±0.8
5	5.0±0.8
6	6.35±0.8
7	7.50±0.8
0	10.0±0.8

### 8. Lead Length Code (L)

Code	Dimension(mm)
2	25Min
3	3.5±0.5
5	5.0±0.8
0	10.0±1.0
T	TAPING BOX
R	TAPING REEL

### 9. Feed Hole Pitch(Taping)

Code	Dimension(mm)
1	12.7
2	25.4
5	15
Nil	Bulk Type

10. Code: N RoHS  
H HF

11. Code: C Suffix

L Type (Straight)	Y Type (Vertical Crimp)
K Type (Inside Kink)	D Type (Outside Kink)

## High-Voltage Ceramic Capacitor E Serial (CLASS II / 2KV~10KVDC)

### General Specifications:

1. Capacitance ( C ): 1000 pF ~ 10000 pF measured at 25°C with 1±0.1KHz and 3Vrms max.
2. Dissipation Factor (DF): 2.5% Max. at 25°C with 1±0.1KHz and 3Vrms max.
3. Insulation Resistance (IR): 10000MΩ Min. measured with DC500±50V within 60±5 sec of charging
4. Dielectric Strength: Apply DC Test Voltage W.V.( 2~3KV is 200%, 5KV ≥ W.V. ≥ 3KV is 175%, W.V. > 5KV is 150% ) for 1~5 sec (Charge/Discharge current ≤ 50mA)
5. Temperature Characteristic (TC): E (-25°C ~ 85°C Within +22/-56%)
6. Operating Temperature Range: -25°C ~ 125°C
7. Coated with flame-retardant epoxy resin. (equivalent to UL94V-0 standards)
8. All capacitors are accord with RoHS standards.

RATED VOLTAGE Edc: 2KV				
Part No.	Cap (Pf)	Dia(mm) Max.	T(mm) Max.	Cap. Tol.
3D07E102M□□□□	1000	7.5	5.0	M,Z
3D08E152M□□□□	1500	8.5	5.0	M,Z
3D08E222M□□□□	2200	8.5	5.0	M,Z
3D10E332M□□□□	3300	10.5	5.0	M,Z
3D12E472M□□□□	4700	12.5	5.0	M,Z
3D13E562M□□□□	5600	13.5	5.0	M,Z
3D13E682M□□□□	6800	13.5	5.0	M,Z
3D14E103M□□□□	10000	14.5	5.0	M,Z

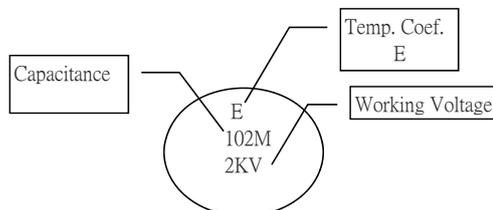
RATED VOLTAGE Edc: 3KV				
Part No.	Cap (Pf)	Dia(mm) Max.	T(mm) Max.	Cap. Tol.
3F07E102M□□□□	1000	7.5	6.5	M,Z
3F08E152M□□□□	1500	8.5	6.5	M,Z
3F09E222M□□□□	2200	9.5	6.5	M,Z
3F11E332M□□□□	3300	11.5	6.5	M,Z
3F13E472M□□□□	4700	13.5	6.5	M,Z
3F14E562M□□□□	5600	14.5	6.5	M,Z
3F15E682M□□□□	6800	15.5	6.5	M,Z
3F17E103M□□□□	10000	17.5	6.5	M,Z

RATED VOLTAGE Edc: 6KV				
Part No.	Cap (Pf)	Dia(mm) Max.	T(mm) Max.	Cap. Tol.
3J10E102M□□□□	1000	10.0	8.0	M,Z
3J11E152M□□□□	1500	11.5	8.0	M,Z
3J13E222M□□□□	2200	13.0	8.0	M,Z
3J15E332M□□□□	3300	15.5	8.0	M,Z
3J16E472M□□□□	4700	16.0	8.0	M,Z
3J19E562M□□□□	5600	19.0	8.0	M,Z
3J20E682M□□□□	6800	20.5	8.0	M,Z

RATED VOLTAGE Edc: 8KV				
Part No.	Cap (Pf)	Dia(mm) Max.	T(mm) Max.	Cap. Tol.
3K11E102M□□□□	1000	11.5	9.0	M,Z
3K13E152M□□□□	1500	13.5	9.0	M,Z
3K15E222M□□□□	2200	15.5	9.0	M,Z
3K17E332M□□□□	3300	17.5	9.0	M,Z
3K21E472M□□□□	4700	21.0	9.0	M,Z

RATED VOLTAGE Edc: 10KV				
Part No.	Cap (Pf)	Dia(mm) Max.	T(mm) Max.	Cap. Tol.
4A12E102M□□□□	1000	12.5	10.0	M,Z
4A14E152M□□□□	1500	14.5	10.0	M,Z
4A17E222M□□□□	2200	17	10.0	M,Z
4A19E332M□□□□	3300	19	10.0	M,Z
4A22E472M□□□□	4700	22.5	10.0	M,Z

### Markings:



Please contact us concerning above 10kv and other capacitance specification