

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 I**

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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)

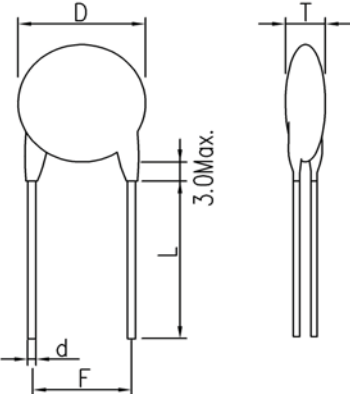
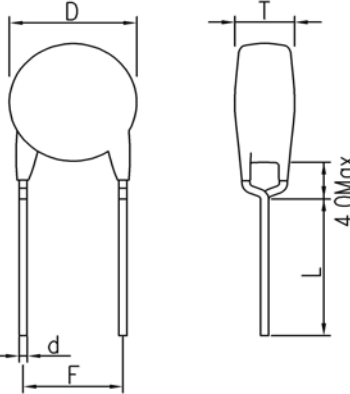
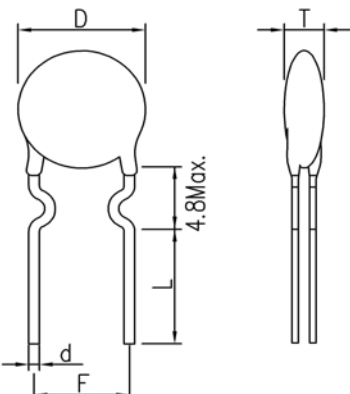
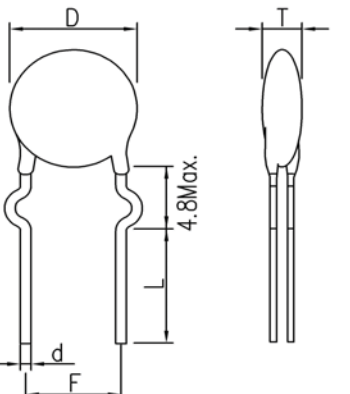
Code	Dimension(mm)
2	25Min
3	3.5±0.5
5	5.0±0.8
0	10.0±1.0
T	TAPING BOX
R	TAPING REEL

### 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 SL Serial (CLASS I / 2KV~10KVDC)

## General Specifications:

1. Capacitance ( C ): 3 pF ~ 470 pF measured at 25°C with 1±0.1MHz and 3Vrms max.
2. Quality Factor (Q): 400+20\*Cr Min.( Cr≤30pF ) at 25°C with 1±0.1MHz and 3Vrms max.  
1000 Min.( Cr > 30pF ) at 25°C with 1±0.1MHz 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): SL (-25°C~85°C Within +350 to -1000ppm/°C)
6. Operating Temperature Range:-55°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.
3D05SL(030~100)J□□□□	3~10	5.5	5.0	C, D, J, K
3D05SL120J□□□□	12	5.5	5.0	J, K
3D05SL150J□□□□	15	5.5	5.0	J, K
3D05SL180J□□□□	18	5.5	5.0	J, K
3D05SL220J□□□□	22	5.5	5.0	J, K
3D06SL270J□□□□	27	6.0	5.0	J, K
3D06SL330J□□□□	33	6.0	5.0	J, K
3D06SL390J□□□□	39	6.0	5.0	J, K
3D07SL470J□□□□	47	7.0	5.0	J, K
3D07SL560J□□□□	56	7.0	5.0	J, K
3D08SL680J□□□□	68	8.0	5.0	J, K
3D08SL820J□□□□	82	8.0	5.0	J, K
3D09SL101J□□□□	100	9.0	5.0	J, K
3D10SL121J□□□□	120	10.0	5.0	J, K
3D10SL151J□□□□	150	10.0	5.0	J, K
3D11SL181J□□□□	180	11.0	5.0	J, K
3D12SL221J□□□□	220	12.0	5.0	J, K
3D14SL271J□□□□	270	14.0	5.0	J, K
3D15SL331J□□□□	330	15.0	5.0	J, K
3D16SL391J□□□□	390	16.0	5.0	J, K
3D17SL471J□□□□	470	17.0	5.0	J, K

RATED VOLTAGE Edc: 3KV				
Part No.	Cap (Pf)	Dia(mm) Max.	T(mm) Max.	Cap. Tol.
3F06SL(030~100)J□□□□	3~10	6.5	5.0	C, D, J, K
3F06SL120J□□□□	12	6.5	5.0	J, K
3F06SL150J□□□□	15	6.5	5.0	J, K
3F06SL180J□□□□	18	6.5	5.0	J, K
3F06SL220J□□□□	22	6.5	5.0	J, K
3F06SL270J□□□□	27	6.5	5.0	J, K
3F06SL330J□□□□	33	6.5	5.0	J, K
3F06SL390J□□□□	39	6.5	5.0	J, K
3F07SL470J□□□□	47	7.5	5.0	J, K
3F07SL560J□□□□	56	7.5	5.0	J, K
3F08SL680J□□□□	68	8.5	5.0	J, K
3F08SL820J□□□□	82	8.5	5.0	J, K
3F09SL101J□□□□	100	9.5	5.0	J, K
3F10SL121J□□□□	120	10.5	5.0	J, K
3F10SL151J□□□□	150	10.5	5.0	J, K
3F11SL181J□□□□	180	11.5	5.0	J, K
3F12SL221J□□□□	220	12.5	5.0	J, K
3F14SL271J□□□□	270	14.5	5.0	J, K
3F15SL331J□□□□	330	15.5	5.0	J, K
3F16SL391J□□□□	390	16.5	5.0	J, K
3F17SL471J□□□□	470	17.5	5.0	J, K

RATED VOLTAGE Edc: 6KV				
Part No.	Cap (Pf)	Dia(mm) Max.	T(mm) Max.	Cap. Tol.
3J05SL(030~100)J□□□□	3~10	5.5	6.0	C, D, J, K
3J05SL120J□□□□	12	5.5	6.0	J, K
3J05SL150J□□□□	15	5.5	6.0	J, K
3J06SL180J□□□□	18	6.5	6.0	J, K
3J07SL220J□□□□	22	7.5	6.0	J, K
3J08SL270J□□□□	27	8.5	6.0	J, K
3J08SL330J□□□□	33	8.5	6.0	J, K
3J09SL390J□□□□	39	9.5	6.0	J, K
3J09SL470J□□□□	47	9.5	6.0	J, K

RATED VOLTAGE Edc: 10KV				
Part No.	Cap (Pf)	Dia(mm) Max.	T(mm) Max.	Cap. Tol.
4A08SL(030~100)J□□□□	3~10	8.5	8.0	C, D, J, K
3J05SL120J□□□□	12	10.0	8.0	J, K
3J05SL150J□□□□	15	10.0	8.0	J, K
3J06SL180J□□□□	18	10.0	8.0	J, K
3J07SL220J□□□□	22	10.0	8.0	J, K
3J08SL270J□□□□	27	10.0	8.0	J, K
3J08SL330J□□□□	33	10.0	8.0	J, K
3J09SL390J□□□□	39	12.0	8.0	J, K
3J09SL470J□□□□	47	12.0	8.0	J, K

## Markings:

Please contact us concerning above 10kv and other capacitance specification

