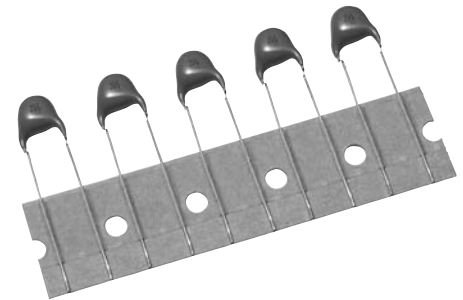


Mid-high Voltage Ceramic Capacitors(Disk with Lead) Low Dissipation at High Frequency CC45 Series

Conformity to RoHS Directive

High voltage ceramic capacitors series (for temperature compensation), low dissipation factor and higher reliability has been achieved through the use of TDK original dielectric and copper for electrode material due to nice matching of the ceramic dielectrics material for low dissipation factor, and copper for electrode.

- Low dissipation factor, and decreased self-heating temperature in the high frequency, and high voltage application.
- The rated voltage of 6kV series have been added the rated voltage of 3kV series.
- These products shall conform to RoHS Directive due to lead(Pb) free of lead wire and internal solder material.



CAPACITANCE TEMPERATURE CHARACTERISTICS AND TOLERANCE

Temperature characteristics	Temperature range	Capacitance tolerance
SL(+350 to -1000ppm/°C)	-20 to +85°C	J(±5%) D(±0.5pF) C(±0.25pF)

LEAD SHAPE

Shape		Symbol
Vertical kink	Long lead	G
	Short lead	N
	Taping	V
Straight	Long lead	A
	Short lead	H
	Taping	P

CAPACITANCE AND DIMENSIONS

RATED VOLTAGE Edc: 1kV

Part No.	Capacitance (pF)	Dimensions (mm)		
		øD max.	T max.	F
CC45SL3AD100JY□*N to CC45SL3AD680JY□N	10 to 68	5.5	5	5±1.5
CC45SL3AD820JY□N	82	6	5	5±1.5
CC45SL3AD101JY□N	100	6.5	5	5±1.5
CC45SL3AD121JY□N	120	7	5	5±1.5
CC45SL3AD151JY□N	150	7.5	5	5±1.5
CC45SL3AD181JY□N	180	8	5	5±1.5
CC45SL3AD221JY□N	220	8.5	5	5±1.5
CC45SL3AD271JY□N	270	9	5	5±1.5
CC45SL3AD331JY□N	330	10	5	5±1.5
CC45SL3AD391JY□N	390	10.5	5	5±1.5
CC45SL3AD471JY□N	470	11.5	5	7.5±1.5
CC45SL3AD561JY□N	560	12.5	5	7.5±1.5
CC45SL3AD681JY□N	680	13.5	5	7.5±1.5
CC45SL3AD821JY□N	820	14.5	5	7.5±1.5
CC45SL3AD102JY□N	1,000	16	5	10±2

* □ : Lead shape symbol

RATED VOLTAGE Edc: 2kV

Part No.	Capacitance (pF)	Dimensions (mm)		
		øD max.	T max.	F
CC45SL3DD100JY□*N to CC45SL3DD470JY□N	10 to 47	5.5	5	5±1.5
CC45SL3DD560JY□N	56	6	5	5±1.5
CC45SL3DD680JY□N	68	6.5	5	5±1.5
CC45SL3DD820JY□N	82	7	5	5±1.5
CC45SL3DD101JY□N	100	7.5	5	5±1.5
CC45SL3DD121JY□N	120	8	5	5±1.5
CC45SL3DD151JY□N	150	8.5	5	5±1.5
CC45SL3DD181JY□N	180	9	5	5±1.5
CC45SL3DD221JY□N	220	10	5	5±1.5
CC45SL3DD271JY□N	270	11	5	7.5±1.5
CC45SL3DD331JY□N	330	11.5	5	7.5±1.5
CC45SL3DD391JY□N	390	12.5	5	7.5±1.5
CC45SL3DD471JY□N	470	13.5	5	7.5±1.5
CC45SL3DD561JY□N	560	14.5	5	7.5±1.5
CC45SL3DD681JY□N	680	16	5	10±2

* □ : Lead shape symbol

RATED VOLTAGE Edc: 3kV

Part No.	Capacitance (pF)	Dimensions (mm)		
		øD max.	T max.	F
CC45SL3FD100JY□*N to CC45SL3FD270JY□N	10 to 27	5.5	6	7.5±1.5
CC45SL3FD330JY□N	33	6	6	7.5±1.5
CC45SL3FD390JY□N	39	6	6	7.5±1.5
CC45SL3FD470JY□N	47	6.5	6	7.5±1.5
CC45SL3FD560JY□N	56	7	6	7.5±1.5
CC45SL3FD680JY□N	68	7.5	6	7.5±1.5
CC45SL3FD820JY□N	82	8	6	7.5±1.5
CC45SL3FD101JY□N	100	8.5	6	7.5±1.5
CC45SL3FD121JY□N	120	9.5	6	7.5±1.5
CC45SL3FD151JY□N	150	10	6	7.5±1.5
CC45SL3FD181JY□N	180	11	6	7.5±1.5
CC45SL3FD221JY□N	220	12	6	7.5±1.5
CC45SL3FD271JY□N	270	13	6	7.5±1.5
CC45SL3FD331JY□N	330	14	6	7.5±1.5
CC45SL3FD391JY□N	390	15	6	7.5±1.5
CC45SL3FD471JY□N	470	16	6	10±2

* □ : Lead shape symbol

• Conformity to RoHS Directive: This means that, in conformity with EU Directive 2002/95/EC, lead, cadmium, mercury, hexavalent chromium, and specific bromine-based flame retardants, PBB and PBDE, have not been used, except for exempted applications.

• All specifications are subject to change without notice.

RATED VOLTAGE E_{dc}: 6kV

Part No.	Capacitance (pF)	Dimensions (mm)		
		øD max.	T max.	F
CC45SL3JD030CY□*N	3	7.5	6	7.5±1.5
CC45SL3JD050DY□N	5	7.5	6	7.5±1.5
CC45SL3JD080DY□N	8	7.5	6	7.5±1.5
CC45SL3JD100JY□N	10	7.5	6	7.5±1.5
CC45SL3JD120JY□N	12	7.5	6	7.5±1.5
CC45SL3JD150JY□N	15	7.5	6	7.5±1.5
CC45SL3JD180JY□N	18	7.5	6	7.5±1.5
CC45SL3JD220JY□N	22	7.5	6	7.5±1.5
CC45SL3JD270JY□N	27	7.5	6	7.5±1.5
CC45SL3JD330JY□N	33	7.5	6	7.5±1.5
CC45SL3JD390JY□N	39	8	6	7.5±1.5
CC45SL3JD470JY□N	47	8.5	6	7.5±1.5

* □ : Lead shape symbol

LIST OF STANDARD LEAD SHAPES

The lead type is indicated by the second-to-last character of the product name (15th character from the left) using its symbol (letter).

Example) TDK Product Name: **CK45-B3AD101KYNN**

└N: Lead type (Vertical kink, Short)

	Long lead Symbol G	Short lead Symbol N	Taping Symbol V	Dimensions in mm
Vertical kink				
Straight				

- We recommend using a vertical kink type.
- For bulk products, we recommend a short lead type with the symbol N.

• For more information about products with other capacitance or other data, please contact us.

• All specifications are subject to change without notice.