

Disc Type Capacitors with Lead

(High Voltage Ceramic Capacitors)

Product Guide

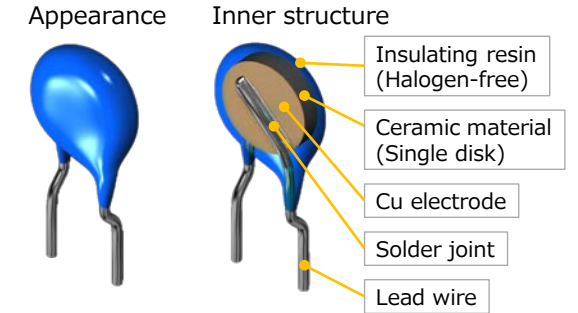


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CK45 series : Commercial grade

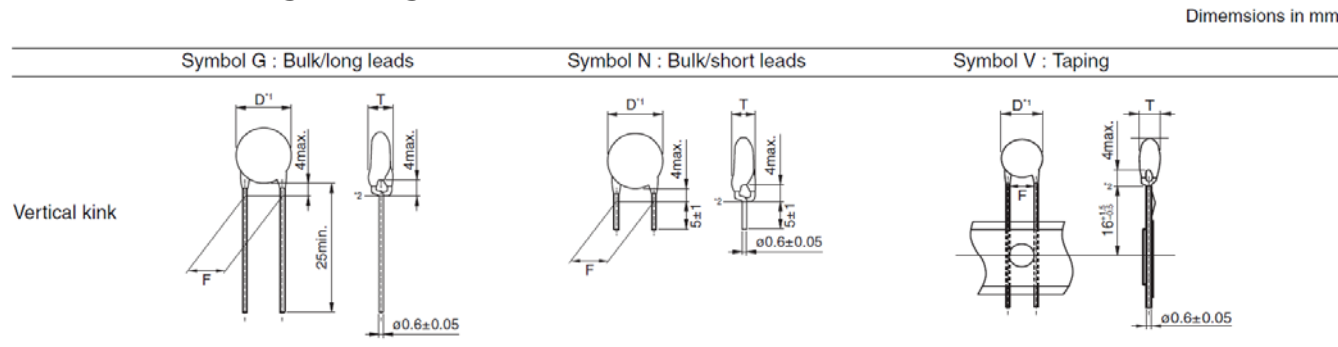
<FEATURES>

- > Conform to RoHS directive due to lead(Pb) free of lead-wire and internal solder material.
- > Compatible with halogen-free external resin coating.



<PART NUMBER>		CK45	-B	3AD	102	K	Y	□	N	A				
		Series name*	Temperature characteristics	Rated voltage	Nominal capacitance	Capacitance tolerance	Class	Lead-wire type	Application classification	Internal code				
	-B	±10%	3AD	1kV DC	101	100pF	K	±10%	G	Long lead	N	General	A	Halogen-free
	-E	+20, -55%	3DD	2kV DC	222	2,200pF	Z	+80, -20%	N	Short lead				
			3FD	3kV DC	103	10,000pF			V	Taping				

< LEAD-WIRE SHAPES >

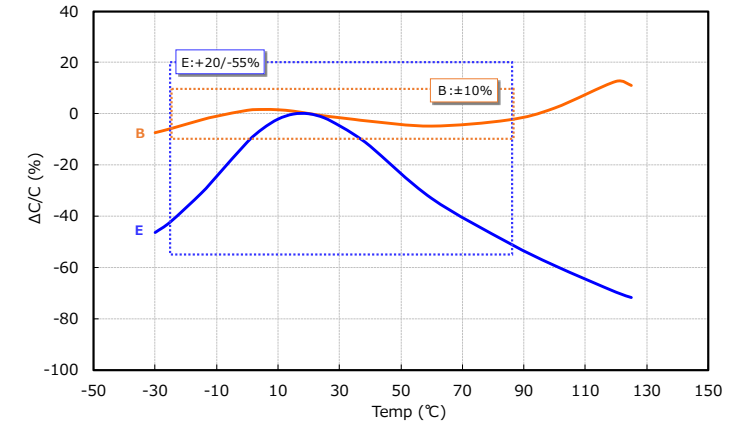


TDK's standard product is vertical kink. TDK recommends short leads for bulk products.

*1 Body diameter (D) is reference value if D is smaller than maximum dimension of lead to lead distance (F).










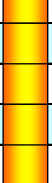

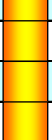






*2 Coating on leads shall not extend beyond the bottom of vertical kink.

<TEMPERATURE CHARACTERISTICS>



CK45 series : Commercial grade

Rated Voltage: 1kV DC

Capacitance (pF)	Temperature characteristic  B	Part No.	Dimensions (mm)			Temperature characteristic  E	Part No.	Dimensions (mm)		
			D max.	T max.	F			D max.	T max.	F
100		CK45-B3AD101KY*NA	(5.5)	5.0	5.0±1.5					
150		CK45-B3AD151KY*NA	(5.5)	5.0	5.0±1.5					
220		CK45-B3AD221KY*NA	(5.5)	5.0	5.0±1.5					
330		CK45-B3AD331KY*NA	(5.5)	5.0	5.0±1.5					
470		CK45-B3AD471KY*NA	(5.5)	5.0	5.0±1.5		CK45-E3AD471ZY*NA	(5.5)	5.0	5.0±1.5
680		CK45-B3AD681KY*NA	(5.5)	5.0	5.0±1.5					
1,000		CK45-B3AD102KY*NA	(6.0)	5.0	5.0±1.5		CK45-E3AD102ZY*NA	(5.5)	5.0	5.0±1.5
1,500		CK45-B3AD152KY*NA	7.0	5.0	5.0±1.5					
2,200		CK45-B3AD222KY*NA	8.5	5.0	5.0±1.5		CK45-E3AD222ZY*NA	(6.5)	5.0	5.0±1.5
3,300		CK45-B3AD332KY*NA	9.5	5.0	5.0±1.5					
4,700		CK45-B3AD472KY*NA	11.0	5.0	5.0±1.5		CK45-E3AD472ZY*NA	8.5	5.0	5.0±1.5
6,800										
10,000							CK45-E3AD103ZY*NA	11.5	5.0	7.5±1.5












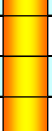





* Body diameter (D) is reference value if D is smaller than maximum dimension of lead to lead distance (F).

CK45 series lineup

https://product.tdk.com/en/search/capacitor/ceramic/lead-disc/list#tag%5B%5D=com_ck45&l=100&p=1&c=part_no-part_no&d=0

CK45 series : Commercial grade

Rated Voltage: 2kV DC

Capacitance (pF)	Temperature characteristic  B	Part No.	Dimensions (mm)			Temperature characteristic  E	Part No.	Dimensions (mm)		
			D max.	T max.	F			D max.	T max.	F
100		CK45-B3DD101KY*NA	(5.5)	5.0	5.0±1.5					
150		CK45-B3DD151KY*NA	(5.5)	5.0	5.0±1.5					
220		CK45-B3DD221KY*NA	(5.5)	5.0	5.0±1.5					
330		CK45-B3DD331KY*NA	(5.5)	5.0	5.0±1.5					
470		CK45-B3DD471KY*NA	(5.5)	5.0	5.0±1.5		CK45-E3DD471ZY*NA	(5.5)	5.0	5.0±1.5
680		CK45-B3DD681KY*NA	(6.5)	5.0	5.0±1.5					
1,000		CK45-B3DD102KY*NA	7.5	5.0	5.0±1.5		CK45-E3DD102ZY*NA	(6.0)	5.0	5.0±1.5
1,500		CK45-B3DD152KY*NA	8.5	5.0	5.0±1.5					
2,200		CK45-B3DD222KY*NA	10.0	5.0	5.0±1.5		CK45-E3DD222ZY*NA	8.0	5.0	5.0±1.5
3,300		CK45-B3DD332KY*NA	11.5	5.0	7.5±1.5					
4,700		CK45-B3DD472KY*NA	14.0	5.0	7.5±1.5		CK45-E3DD472ZY*NA	10.5	5.0	5.0±1.5
6,800										
10,000							CK45-E3DD103ZY*NA	14.5	5.0	7.5±1.5
















* Body diameter (D) is reference value if D is smaller than maximum dimension of lead to lead distance (F).

CK45 series lineup

https://product.tdk.com/en/search/capacitor/ceramic/lead-disc/list#tag%5B%5D=com_ck45&l=100&p=1&c=part_no-part_no&d=0

CK45 series : Commercial grade

Rated Voltage: 3kV DC

Capacitance (pF)	Temperature characteristic  B	Part No.	Dimensions (mm)			Temperature characteristic  E	Part No.	Dimensions (mm)		
			D max.	T max.	F			D max.	T max.	F
100		CK45-B3FD101KY*NA	(5.5)	6.0	7.5±1.5					
150		CK45-B3FD151KY*NA	(5.5)	6.0	7.5±1.5					
220		CK45-B3FD221KY*NA	(5.5)	6.0	7.5±1.5					
330		CK45-B3FD331KY*NA	(6.5)	6.0	7.5±1.5					
470		CK45-B3FD471KY*NA	(7.0)	6.0	7.5±1.5		CK45-E3FD471ZY*NA	(6.0)	6.0	7.5±1.5
680		CK45-B3FD681KY*NA	(8.0)	6.0	7.5±1.5					
1,000		CK45-B3FD102KY*NA	(9.0)	6.0	7.5±1.5		CK45-E3FD102ZY*NA	(7.5)	6.0	7.5±1.5
1,500		CK45-B3FD152KY*NA	10.5	6.0	7.5±1.5					
2,200		CK45-B3FD222KY*NA	12.5	6.0	7.5±1.5		CK45-E3FD222ZY*NA	9.5	6.0	7.5±1.5
3,300										
4,700							CK45-E3FD472ZY*NA	12.5	6.0	7.5±1.5
6,800										
10,000										

* Body diameter (D) is reference value if D is smaller than maximum dimension of lead to lead distance (F).

CK45 series lineup

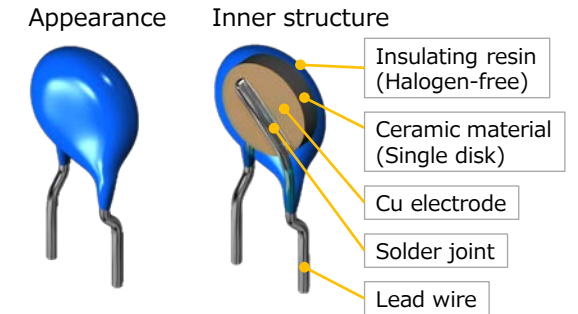
https://product.tdk.com/en/search/capacitor/ceramic/lead-disc/list#tag%5B%5D=com_ck45&l=100&p=1&c=part_no-part_no&d=0


CC45 series : Commercial grade

/ Low dissipation at high frequency (Temperature compensated)

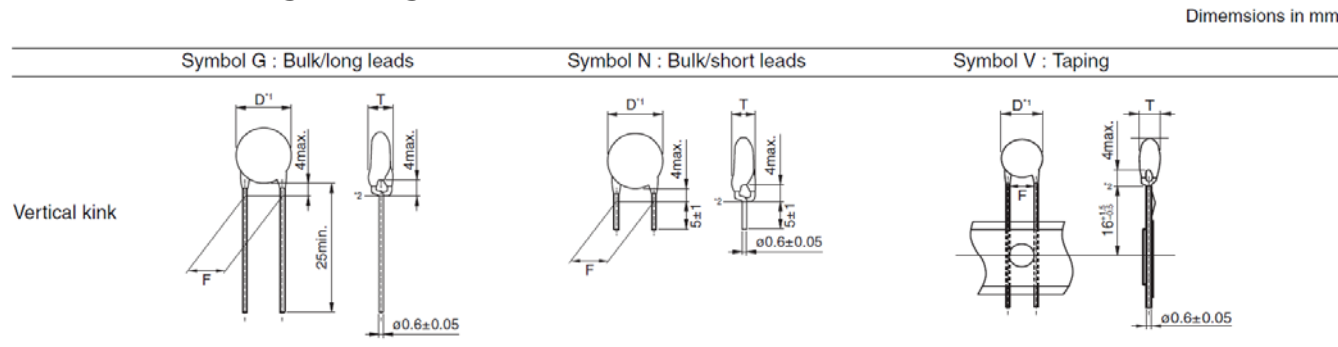
<FEATURES>

- > Low dissipation factor and decreased self-heating temperature in the high frequency and high voltage application.
- > Rated voltage of 6kV is available.
- > Conform to RoHS directive due to lead(Pb) free of lead-wire and internal solder material.
- > Compatible with halogen-free external resin coating.



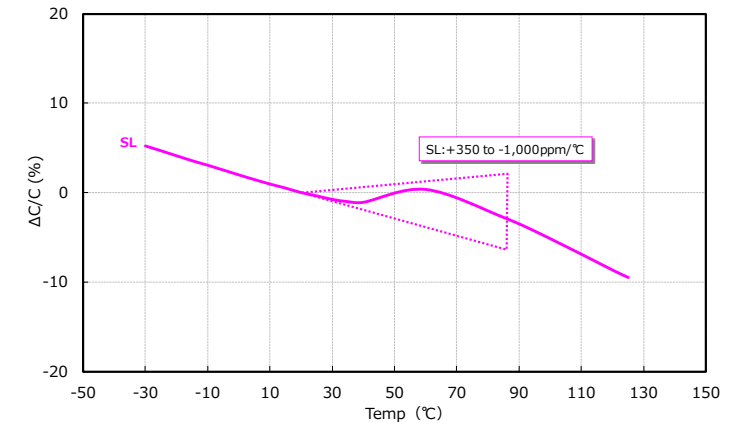
<PART NUMBER>	CC45	SL	3AD	101	J	Y		N	A			
	Series name*	Temperature characteristic	Rated voltage	Nominal capacitance		Capacitance tolerance		Class	Lead-wire type	Application classification		Internal code
	SL	+350 to -1,000ppm/°C	3AD 1kV DC 3DD 2kV DC 3FD 3kV DC 3JD 6kV DC	030 3pF 220 22pF 471 470pF	C ±0.25pF D ±0.5pF J ±5%		G Long lead N Short lead V Taping	N General	A Halogen-free			

< LEAD-WIRE SHAPES >



TDK's standard product is vertical kink. TDK recommends short leads for bulk products.
 *1 Body diameter (D) is reference value if D is smaller than maximum dimension of lead to lead distance (F).
 *2 Coating on leads shall not extend beyond the bottom of vertical kink.

<TEMPERATURE CHARACTERISTICS>



CC45 series : Commercial grade

/ Low dissipation at high frequency (Temperature compensated)

Rated Voltage: 1kV DC

Capacitance (pF)	Temperature characteristic SL	Part No.	Dimensions (mm)		
			D max.	T max.	F
10		CC45SL3AD100JY*NA	(5.5)	5.0	5.0±1.5
12		CC45SL3AD120JY*NA	(5.5)	5.0	5.0±1.5
15		CC45SL3AD150JY*NA	(5.5)	5.0	5.0±1.5
18		CC45SL3AD180JY*NA	(5.5)	5.0	5.0±1.5
22		CC45SL3AD220JY*NA	(5.5)	5.0	5.0±1.5
27		CC45SL3AD270JY*NA	(5.5)	5.0	5.0±1.5
33		CC45SL3AD330JY*NA	(5.5)	5.0	5.0±1.5
39		CC45SL3AD390JY*NA	(5.5)	5.0	5.0±1.5
47		CC45SL3AD470JY*NA	(5.5)	5.0	5.0±1.5
56		CC45SL3AD560JY*NA	(5.5)	5.0	5.0±1.5
68		CC45SL3AD680JY*NA	(5.5)	5.0	5.0±1.5
82		CC45SL3AD820JY*NA	(6.0)	5.0	5.0±1.5
100		CC45SL3AD101JY*NA	(6.5)	5.0	5.0±1.5
120		CC45SL3AD121JY*NA	7.0	5.0	5.0±1.5
150		CC45SL3AD151JY*NA	7.5	5.0	5.0±1.5
180		CC45SL3AD181JY*NA	8.0	5.0	5.0±1.5
220		CC45SL3AD221JY*NA	8.5	5.0	5.0±1.5
270		CC45SL3AD271JY*NA	9.0	5.0	5.0±1.5
330		CC45SL3AD331JY*NA	10.0	5.0	5.0±1.5
390		CC45SL3AD391JY*NA	10.5	5.0	5.0±1.5
470		CC45SL3AD471JY*NA	11.5	5.0	7.5±1.5

CC45 series lineup

https://product.tdk.com/en/search/capacitor/ceramic/lead-disc/list#tag%5B%5D=com_cc45&l=100&p=1&c=part_no-part_no&d=0

* Body diameter (D) is reference value if D is smaller than maximum dimension of lead to lead distance (F).

CC45 series : Commercial grade

/ Low dissipation at high frequency (Temperature compensated)

Rated Voltage: 2kV DC

Capacitance (pF)	Temperature characteristic SL	Part No.	Dimensions (mm)		
			D max.	T max.	F
10		CC45SL3DD100JY*NA	(5.5)	5.0	5.0±1.5
12		CC45SL3DD120JY*NA	(5.5)	5.0	5.0±1.5
15		CC45SL3DD150JY*NA	(5.5)	5.0	5.0±1.5
18		CC45SL3DD180JY*NA	(5.5)	5.0	5.0±1.5
22		CC45SL3DD220JY*NA	(5.5)	5.0	5.0±1.5
27		CC45SL3DD270JY*NA	(5.5)	5.0	5.0±1.5
33		CC45SL3DD330JY*NA	(5.5)	5.0	5.0±1.5
39		CC45SL3DD390JY*NA	(5.5)	5.0	5.0±1.5
47		CC45SL3DD470JY*NA	(5.5)	5.0	5.0±1.5
56		CC45SL3DD560JY*NA	(6.0)	5.0	5.0±1.5
68		CC45SL3DD680JY*NA	(6.5)	5.0	5.0±1.5
82		CC45SL3DD820JY*NA	7.0	5.0	5.0±1.5
100		CC45SL3DD101JY*NA	7.5	5.0	5.0±1.5
120		CC45SL3DD121JY*NA	8.0	5.0	5.0±1.5
150		CC45SL3DD151JY*NA	8.5	5.0	5.0±1.5
180		CC45SL3DD181JY*NA	9.0	5.0	5.0±1.5
220		CC45SL3DD221JY*NA	10.0	5.0	5.0±1.5
270		CC45SL3DD271JY*NA	11.0	5.0	7.5±1.5
330		CC45SL3DD331JY*NA	11.5	5.0	7.5±1.5
390					
470					

CC45 series lineup

https://product.tdk.com/en/search/capacitor/ceramic/lead-disc/list#tag%5B%5D=com_cc45&l=100&p=1&c=part_no-part_no&d=0

* Body diameter (D) is reference value if D is smaller than maximum dimension of lead to lead distance (F).

CC45 series : Commercial grade

/ Low dissipation at high frequency (Temperature compensated)

Rated Voltage: 3kV DC

Capacitance (pF)	Temperature characteristic SL	Part No.	Dimensions (mm)		
			D max.	T max.	F
10		CC45SL3FD100JY*NA	(5.5)	6.0	7.5±1.5
12		CC45SL3FD120JY*NA	(5.5)	6.0	7.5±1.5
15		CC45SL3FD150JY*NA	(5.5)	6.0	7.5±1.5
18		CC45SL3FD180JY*NA	(5.5)	6.0	7.5±1.5
22		CC45SL3FD220JY*NA	(5.5)	6.0	7.5±1.5
27		CC45SL3FD270JY*NA	(5.5)	6.0	7.5±1.5
33		CC45SL3FD330JY*NA	(6.0)	6.0	7.5±1.5
39		CC45SL3FD390JY*NA	(6.0)	6.0	7.5±1.5
47		CC45SL3FD470JY*NA	(6.5)	6.0	7.5±1.5
56		CC45SL3FD560JY*NA	(7.0)	6.0	7.5±1.5
68		CC45SL3FD680JY*NA	(7.5)	6.0	7.5±1.5
82		CC45SL3FD820JY*NA	(8.0)	6.0	7.5±1.5
100		CC45SL3FD101JY*NA	(8.5)	6.0	7.5±1.5
120		CC45SL3FD121JY*NA	9.5	6.0	7.5±1.5
150		CC45SL3FD151JY*NA	10.0	6.0	7.5±1.5
180		CC45SL3FD181JY*NA	11.0	6.0	7.5±1.5
220		CC45SL3FD221JY*NA	12.0	6.0	7.5±1.5
270					
330					
390					
470					

CC45 series lineup

https://product.tdk.com/en/search/capacitor/ceramic/lead-disc/list#tag%5B%5D=com_cc45&l=100&p=1&c=part_no-part_no&d=0

* Body diameter (D) is reference value if D is smaller than maximum dimension of lead to lead distance (F).

CC45 series : Commercial grade

/ Low dissipation at high frequency (Temperature compensated)

Rated Voltage: 6kV DC

Capacitance (pF)	Temperature characteristic SL	Part No.	Dimensions (mm)		
			D max.	T max.	F
5		CC45SL3JD050DY*NA	(7.5)	6.0	7.5±1.5
8		CC45SL3JD080DY*NA	(7.5)	6.0	7.5±1.5
10		CC45SL3JD100JY*NA	(7.5)	6.0	7.5±1.5
12		CC45SL3JD120JY*NA	(7.5)	6.0	7.5±1.5
15		CC45SL3JD150JY*NA	(7.5)	6.0	7.5±1.5
18		CC45SL3JD180JY*NA	(7.5)	6.0	7.5±1.5
22		CC45SL3JD220JY*NA	(7.5)	6.0	7.5±1.5
27		CC45SL3JD270JY*NA	(7.5)	6.0	7.5±1.5
33		CC45SL3JD330JY*NA	(7.5)	6.0	7.5±1.5
39		CC45SL3JD390JY*NA	(8.0)	6.0	7.5±1.5
47		CC45SL3JD470JY*NA	(8.5)	6.0	7.5±1.5

CC45 series lineup

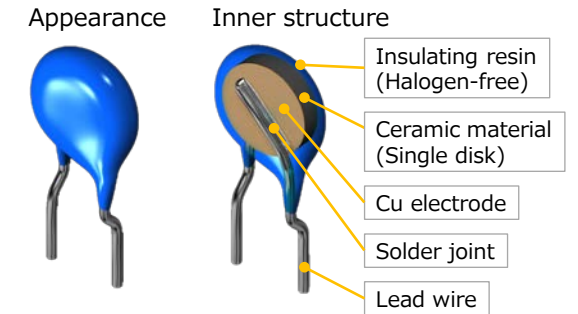
https://product.tdk.com/en/search/capacitor/ceramic/lead-disc/list#tag%5B%5D=com_cc45&l=100&p=1&c=part_no-part_no&d=0


* Body diameter (D) is reference value if D is smaller than maximum dimension of lead to lead distance (F).

CD45 series : Commercial grade / Safety standard approved

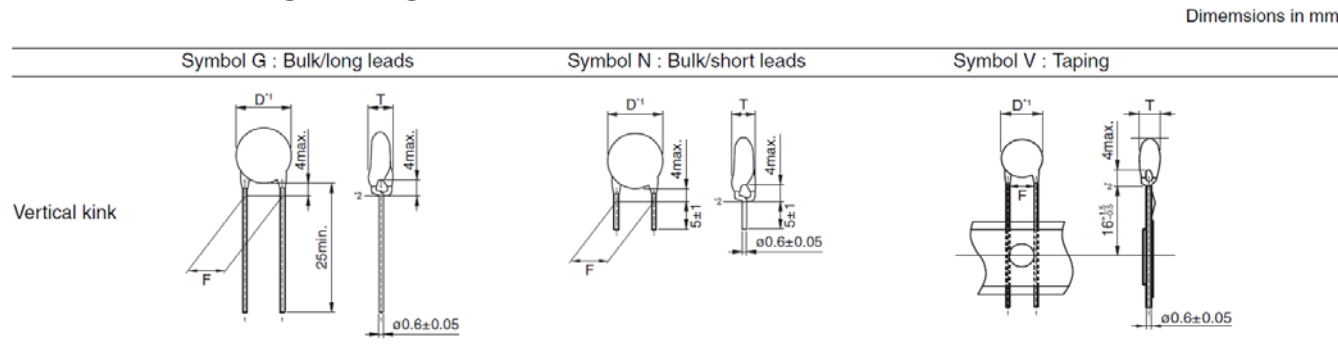
<FEATURES>

- > Compliant with IEC and the safety standards of various countries.
- > CD45 series meets reinforced insulation's safety standards. Since the withstand voltage is 4,000V AC, single-unit configuration is available for European class II devices.
- > Flame-resistant reinforced outer insulation prevents fires, electrical shock, and other potential hazards.
- > Conform to RoHS directive due to lead(Pb) free of lead-wire and internal solder material.
- > Compatible with halogen-free external resin coating.



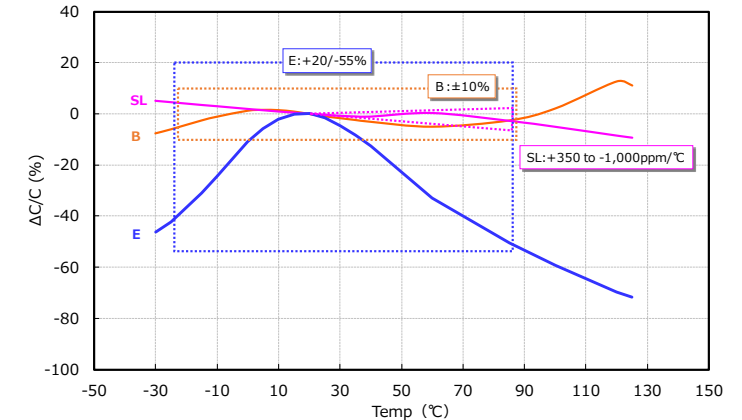
<PART NUMBER>		CD45	-E	2GA	102	M	-		K	A	
		Series name*	Temperature characteristics	Rated voltage	Nominal capacitance		Capacitance tolerance		Lead-wire type	Application classification	Internal code
	SL		+350 to -1,000ppm/°C	2GA	X1: 440V AC Y1: 400V AC	100 10pF	J ±5%	G Long lead	K Safety standard approved	A Halogen-free	
	-B		±10%			102 1,000pF	K ±10%	N Short lead			
	-E		+20, -55%			222 2,200pF	M ±20%	V Taping			

< LEAD-WIRE SHAPES >



TDK's standard product is vertical kink. TDK recommends short leads for bulk products.
 *1 Body diameter (D) is reference value if D is smaller than maximum dimension of lead to lead distance (F).
 *2 Coating on leads shall not extend beyond the bottom of vertical kink.

<TEMPERATURE CHARACTERISTICS>



CD45 series : Commercial grade / Safety standard approved

Rated Voltage X1: 440V AC, Y1: 400V AC

Capacitance (pF)	Temperature characteristics			Part No.	Dimensions (mm)		
	SL	B	E		D max.	T max.	F
10	■			CD45SL2GA100J- * KA	(7.0)	6.0	10.0+2.0, -1.0
15	■			CD45SL2GA150J- * KA	(7.0)	6.0	10.0+2.0, -1.0
22	■			CD45SL2GA220J- * KA	(7.0)	6.0	10.0+2.0, -1.0
33	■			CD45SL2GA330J- * KA	(7.0)	6.0	10.0+2.0, -1.0
47	■			CD45SL2GA470J- * KA	(8.0)	6.0	10.0+2.0, -1.0
68	■			CD45SL2GA680J- * KA	(9.0)	6.0	10.0+2.0, -1.0
100		■		CD45-B2GA101K- * KA	(6.5)	6.0	10.0+2.0, -1.0
150		■		CD45-B2GA151K- * KA	(6.5)	6.0	10.0+2.0, -1.0
220		■		CD45-B2GA221K- * KA	(6.5)	6.0	10.0+2.0, -1.0
330		■		CD45-B2GA331K- * KA	(7.0)	6.0	10.0+2.0, -1.0
470		■		CD45-B2GA471K- * KA	(8.0)	6.0	10.0+2.0, -1.0
680			■	CD45-E2GA681M- * KA	(6.5)	6.0	10.0+2.0, -1.0
1,000			■	CD45-E2GA102M- * KA	(7.0)	6.0	10.0+2.0, -1.0
1,500			■	CD45-E2GA152M- * KA	(8.0)	6.0	10.0+2.0, -1.0
2,200			■	CD45-E2GA222M- * KA	(9.0)	6.0	10.0+2.0, -1.0
3,300			■	CD45-E2GA332M- * KA	(11.0)	6.0	10.0+2.0, -1.0
4,700			■	CD45-E2GA472M- * KA	13.0	6.0	10.0+2.0, -1.0

* Body diameter (D) is reference value if D is smaller than maximum dimension of lead to lead distance (F).

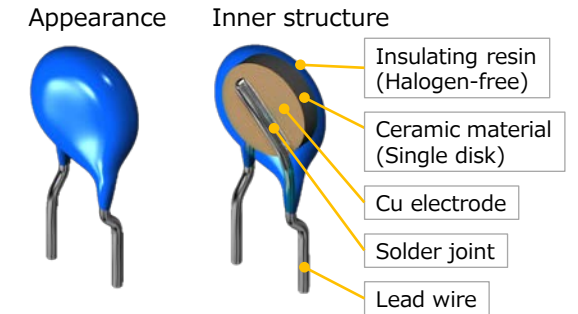
CD45 series lineup


https://product.tdk.com/en/search/capacitor/ceramic/lead-disc/list#tag%5B%5D=com_cd45& l=100& p=1& c=part_no-part_no& d=0

CS45 series : Commercial grade / Safety standard approved

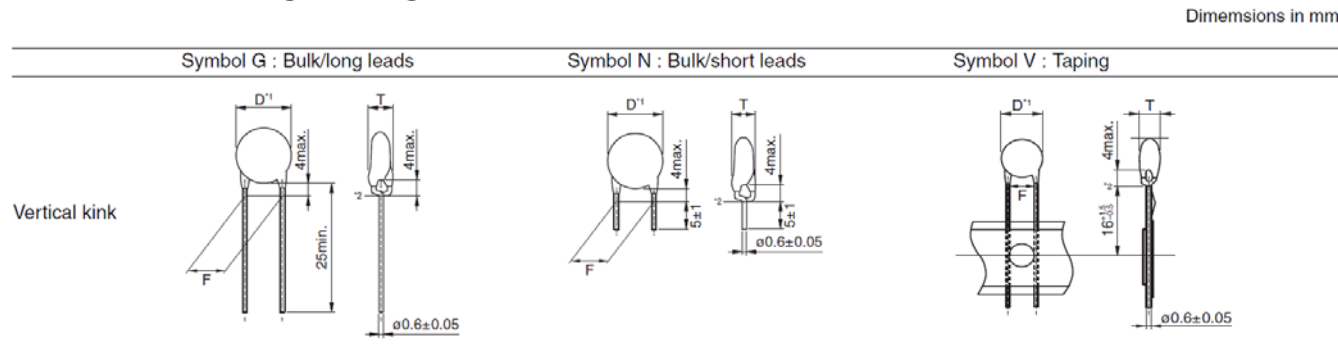
<FEATURES>

- > Compliant with IEC and the safety standards of various countries.
- > Withstand voltage is 2,600V AC.
- > Flame-resistant reinforced outer insulation prevents fires, electrical shock, and other potential hazards.
- > Conform to RoHS directive due to lead(Pb) free of lead-wire and internal solder material.
- > Compatible with halogen-free external resin coating.



<PART NUMBER>		CS45	-E	2GA	102	M	-		K	A
		Series name*	Temperature characteristics	Rated voltage	Nominal capacitance	Capacitance tolerance	Lead-wire type		Application classification	Internal code
		-SL	+350 to -1,000ppm/°C	2GA	X1:440V AC Y2:300V AC	J ±5% K ±10% M ±20%	G Long lead N Short lead V Taping	K	Safety standard approved	A Halogen-free
		-B	±10%							
		-E	+20, -55%							
		-F	+30, -80%							

< LEAD-WIRE SHAPES >

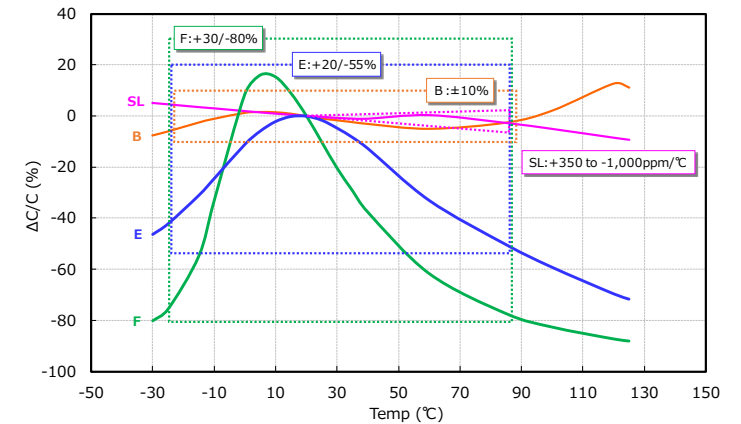


TDK's standard product is vertical kink. TDK recommends short leads for bulk products.

*1 Body diameter (D) is reference value if D is smaller than maximum dimension of lead to lead distance (F).

*2 Coating on leads shall not extend beyond the bottom of vertical kink.

<TEMPERATURE CHARACTERISTICS>



CS45 series : Commercial grade / Safety standard approved

Rated Voltage X1: 440V AC, Y2: 300V AC

Capacitance (pF)	Temperature characteristics				Part No.	Dimensions (mm)		
	SL	B	E	F		D max.	T max.	F
10	■				CS45SL2GA100J-*KA	(7.0)	5.0	7.5±1.5
15	■				CS45SL2GA150J-*KA	(7.0)	5.0	7.5±1.5
22	■				CS45SL2GA220J-*KA	(7.0)	5.0	7.5±1.5
33	■				CS45SL2GA330J-*KA	(7.0)	5.0	7.5±1.5
47	■				CS45SL2GA470J-*KA	(7.0)	5.0	7.5±1.5
68	■				CS45SL2GA680J-*KA	(7.5)	5.0	7.5±1.5
100		■			CS45-B2GA101K-*KA	(6.5)	5.0	7.5±1.5
150		■			CS45-B2GA151K-*KA	(6.5)	5.0	7.5±1.5
220		■			CS45-B2GA221K-*KA	(6.5)	5.0	7.5±1.5
330		■			CS45-B2GA331K-*KA	(6.5)	5.0	7.5±1.5
470		■			CS45-B2GA471K-*KA	(7.0)	5.0	7.5±1.5
680		■			CS45-B2GA681K-*KA	(8.0)	5.0	7.5±1.5
1,000			■		CS45-E2GA102M-*KA	(6.5)	5.0	7.5±1.5
1,500			■		CS45-E2GA152M-*KA	(7.5)	5.0	7.5±1.5
2,200			■		CS45-E2GA222M-*KA	(8.0)	5.0	7.5±1.5
3,300			■		CS45-E2GA332M-*KA	10.0	5.0	7.5±1.5
4,700			■		CS45-E2GA472M-*KA	11.0	5.0	7.5±1.5
10,000				■	CS45-F2GA103M-*KA	14.5	5.0	7.5±1.5

* Body diameter (D) is reference value if D is smaller than maximum dimension of lead to lead distance (F).

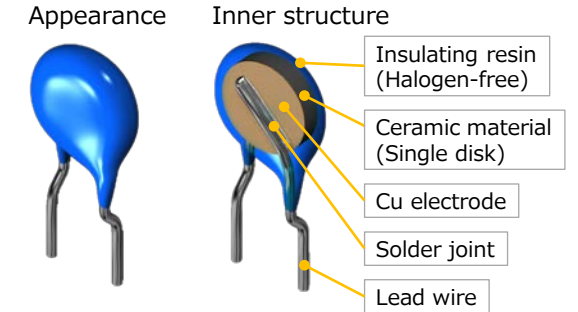
CS45 series lineup

https://product.tdk.com/en/search/capacitor/ceramic/lead-disc/list#tag%5B%5D=com_cs45&l=100&p=1&c=part_no-part_no&d=0


CS series : Automotive grade / Safety standard approved

<FEATURES>

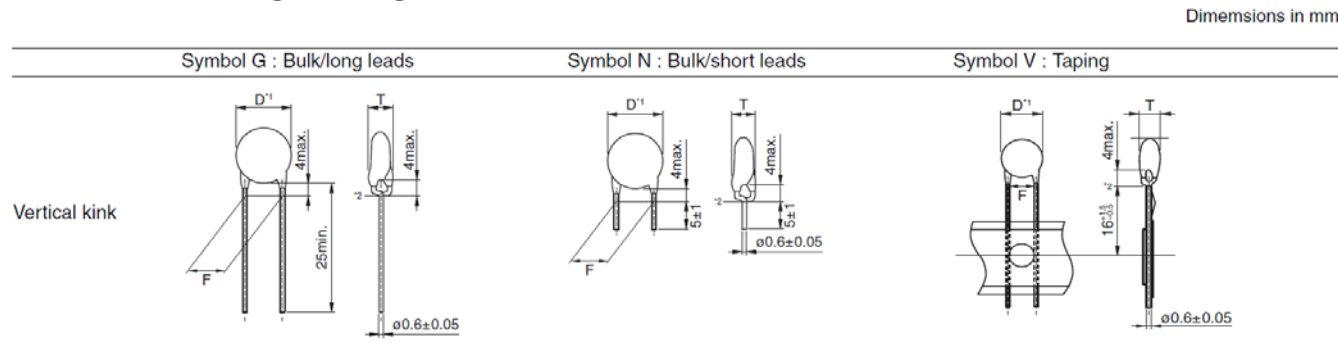
- > AEC-Q200 compliant. (1,000 cycles guaranteed under heat shock testing at -55°C to +125°C.)
- > For use in Y capacitor for battery chargers of automobile (EV, PHEV).
- > Compliant with IEC and the safety standards of various countries.
- > Withstand voltage is 2,600V AC.
- > Conform to RoHS directive due to lead(Pb) free of lead-wire and internal solder material.
- > Compatible with halogen-free external resin coating.



<PART NUMBER>

CS	80	ZU	2GA	222	M	A		K	A
Series name	Type*	Temperature characteristics	Rated voltage	Nominal capacitance	Capacitance tolerance	Grade classification	Lead-wire type	Application classification	Internal code
	45	SL +350 to -1,000ppm/°C	2GA X1:440V AC Y2:300V AC	100	10pF	J ±5%	G Long lead N Short lead V Taping	K Safety standard approved	A Halogen-free
	65			221	220pF	K ±10%			
	70	B ±10%		472	4,700pF	M ±20%			
	75	ZU (Z5U) +22, -56%							
	80								
	85								
	95								
	11								

<LEAD-WIRE SHAPES>

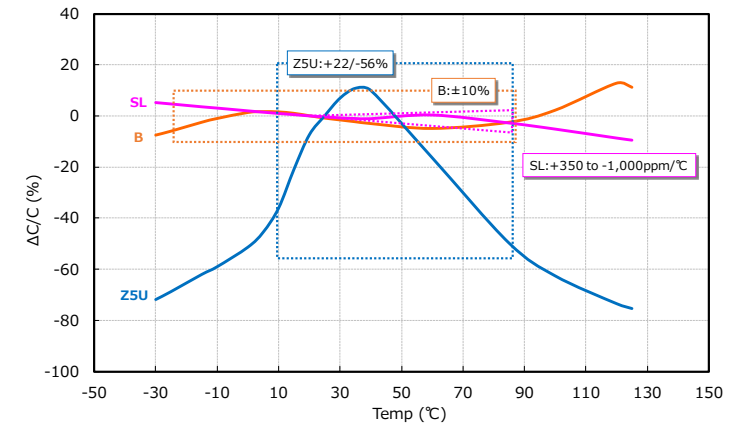


TDK's standard product is vertical kink. TDK recommends short leads for bulk products.

*1 Body diameter (D) is reference value if D is smaller than maximum dimension of lead to lead distance (F).





















*2 Coating on leads shall not extend beyond the bottom of vertical kink.

<TEMPERATURE CHARACTERISTICS>



CS series : Automotive grade / Safety standard approved

Rated Voltage X1: 440V AC, Y2: 300V AC

Capacitance (pF)	Temperature characteristics			Part No.	Dimensions (mm)		
	 SL	 B	 Z5U		D max.	T max.	F
10				CS45SL2GA100JA*KA	(7.0)	7.0	7.5±1.5
15				CS45SL2GA150JA*KA	(7.0)	7.0	7.5±1.5
22				CS45SL2GA220JA*KA	(7.0)	7.0	7.5±1.5
33				CS45SL2GA330JA*KA	(7.0)	7.0	7.5±1.5
47				CS45SL2GA470JA*KA	(8.0)	7.0	7.5±1.5
68				CS45SL2GA680JA*KA	(9.0)	7.0	7.5±1.5
100				CS65-B2GA101KA*KA	(7.0)	7.0	7.5±1.5
150				CS65-B2GA151KA*KA	(7.0)	7.0	7.5±1.5
220				CS65-B2GA221KA*KA	(7.0)	7.0	7.5±1.5
330				CS70-B2GA331KA*KA	(7.5)	7.0	7.5±1.5
470				CS75-B2GA471KA*KA	(9.0)	7.0	7.5±1.5
680				CS85-B2GA681KA*KA	9.5	7.0	7.5±1.5
1,000				CS65ZU2GA102MA*KA	(7.0)	7.0	7.5±1.5
1,500				CS75ZU2GA152MA*KA	(8.0)	7.0	7.5±1.5
2,200				CS80ZU2GA222MA*KA	9.5	7.0	7.5±1.5
3,300				CS95ZU2GA332MA*KA	12.0	7.0	7.5±1.5
4,700				CS11ZU2GA472MA*KA	13.5	7.0	7.5±1.5

* Body diameter (D) is reference value if D is smaller than maximum dimension of lead to lead distance (F).

CS series lineup

https://product.tdk.com/en/search/capacitor/ceramic/lead-disc/list#tag%5B%5D=auto_cs&l=100&p=1&c=part_no-part_no&d=0

