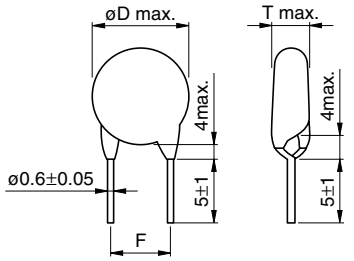
TDK

Mid-high Voltage Ceramic Capacitors(Disk with Lead) Low Dissipation at High Frequency CK45-RB Series

Conformity to RoHS Directive

SHAPES AND DIMENSIONS





Dimensions in mm

CAPACITANCE TEMPERATURE CHARACTERISTICS AND TOLERANCE

Temperature characteristics	Temperature range	Capacitance tolerance
B(±10%)	–25 to +105°C	K(±10%)

CAPACITANCE AND DIMENSIONS

RATED VOLTAGE Edc: 1kV

Part No.	Capacitance (pF)	Dimensions (mm)		
		øD max.	T max.	F
CK45-B3AD101KYNR	100*	7.5	5	5±1.5
CK45-B3AD121KYNR	120	7.5	5	5±1.5
CK45-B3AD151KYNR	150*	7.5	5	5±1.5
CK45-B3AD181KYNR	180	7.5	5	5±1.5
CK45-B3AD221KYNR	220*	7.5	5	5±1.5
CK45-B3AD271KYNR	270	7.5	5	5±1.5
CK45-B3AD331KYNR	330*	7.5	5	5±1.5
CK45-B3AD391KYNR	390	7.5	5	5±1.5
CK45-B3AD471KYNR	470*	7.5	5	5±1.5
CK45-B3AD561KYNR	560	7.5	5	5±1.5
CK45-B3AD681KYNR	680*	8	5	5±1.5
CK45-B3AD821KYNR	820	8	5	5±1.5
CK45-B3AD102KYNR	1,000*	9	5	5±1.5
CK45-B3AD122KYNR	1,200	9.5	5	5±1.5
CK45-B3AD152KYNR	1,500*	10	5	5±1.5
CK45-B3AD182KYNR	1,800	10.5	5	5±1.5
CK45-B3AD222KYNR	2,200*	11.5	5	7.5±1.5
CK45-B3AD272KYNR	2,700	12.5	5	7.5±1.5

* 1kV and 2kV are E6 series standard products.

RATED VOLTAGE Edc: 2kV

Part No.	Capacitance (pF)	Dimensions (mm)		
		øD max.	T max.	F
CK45-B3DD101KYNR	100*	7.5	5	5±1.5
CK45-B3DD121KYNR	120	7.5	5	5±1.5
CK45-B3DD151KYNR	150*	7.5	5	5±1.5
CK45-B3DD181KYNR	180	7.5	5	5±1.5
CK45-B3DD221KYNR	220*	7.5	5	5±1.5
CK45-B3DD271KYNR	270	7.5	5	5±1.5
CK45-B3DD331KYNR	330*	8	5	5±1.5
CK45-B3DD391KYNR	390	8	5	5±1.5
CK45-B3DD471KYNR	470*	8.5	5	5±1.5
CK45-B3DD561KYNR	560	9	5	5±1.5
CK45-B3DD681KYNR	680*	10	5	5±1.5
CK45-B3DD821KYNR	820	10	5	5±1.5
CK45-B3DD102KYNR	1,000*	11	5	5±1.5
CK45-B3DD122KYNR	1,200	11.5	5	5±1.5
CK45-B3DD152KYNR	1,500*	12	5	7.5±1.5
CK45-B3DD182KYNR	1,800	13.5	5	7.5±1.5
CK45-B3DD222KYNR	2,200*	14.5	5	7.5±1.5
CK45-B3DD272KYNR	2,700	15.5	5	10±2

* 1kV and 2kV are E6 series standard products.

RATED VOLTAGE Edc: 3kV

Part No.	Capacitance (pF)	Dimensions (mm)		
		øD max.	T max.	F
CK45-B3FD101KYNR	100	7.5	6	7.5±1.5
CK45-B3FD121KYNR	120	7.5	6	7.5±1.5
CK45-B3FD151KYNR	150	7.5	6	7.5±1.5
CK45-B3FD181KYNR	180	7.5	6	7.5±1.5
CK45-B3FD221KYNR	220	7.5	6	7.5±1.5
CK45-B3FD271KYNR	270	8	6	7.5±1.5
CK45-B3FD331KYNR	330	8	6	7.5±1.5
CK45-B3FD391KYNR	390	9	6	7.5±1.5
CK45-B3FD471KYNR	470	10	6	7.5±1.5
CK45-B3FD561KYNR	560	10.5	6	7.5±1.5
CK45-B3FD681KYNR	680	11	6	7.5±1.5
CK45-B3FD821KYNR	820	12	6	7.5±1.5
CK45-B3FD102KYNR	1,000	12.5	6	7.5±1.5
CK45-B3FD122KYNR	1,200	13.5	6	7.5±1.5
CK45-B3FD152KYNR	1,500	14.5	6	7.5±1.5
CK45-B3FD182KYNR	1,800	15.5	6	10±2

- For more information about the products of other capacitance or data, please contact us.
- 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.