

Safety Standard Certified Ceramic Capacitors



Type KY (Basic Insulation) -IEC60384-14 Class X1, Y2-

■ Features

1. Compact size; diameter 25% less than Type KH.
2. Operating temperature range guaranteed up to 125 degrees (UL: 85 deg.).
3. Dielectric strength:
 AC2000V (for lead spacing F=5mm)
 AC2600V (for lead spacing F=7.5mm)
4. Class X1/Y2 capacitors certified by
 UL/CSA/VDE/BSI/SEMKO/DEMKO/FIMKO/NEMKO/ESTI/
 NSW.
5. Coated with flame-retardant epoxy resin
 (conforming to UL94V-0 standard).
 Please contact us when a halogen-free product*
 is necessary.
 * Cl=900ppm max., Br=900ppm max. and
 Cl+Br=1500ppm max.
6. Taping available for automatic insertion.

■ Applications

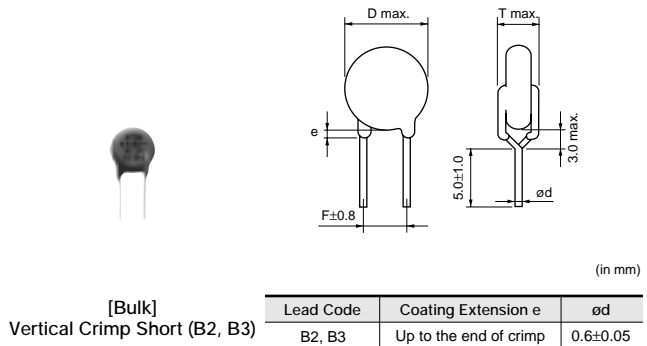
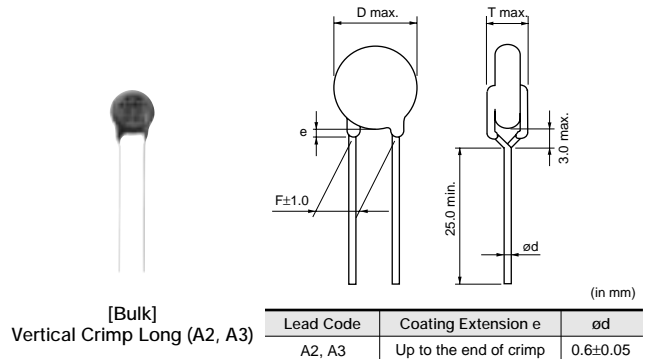
1. Ideal for use as X/Y capacitors for AC line filters
 and primary-secondary coupling on switching power
 supplies and AC adapters.
2. Ideal for use on D-A isolation and noise absorption
 for DAA modems without transformers.

Do not use these products in any automotive power train or safety equipment including battery chargers for electric vehicles and plug-in hybrids. Only Murata products clearly stipulated as "for Automotive use" on its catalog can be used for automobile applications such as power train and safety equipment.

■ Standard Certification

	Standard No.	Certified No.	Rated Voltage
UL	UL1414	E37921	AC250V(r.m.s.)
CSA	CSA E60384-14	1283280	
VDE	IEC 60384-14 EN 60384-14	40006273	
BSI	EN 60065 (8.8, 14.2)	KM 37901	
	IEC 60384-14 EN 60384-14		
SEMKO	IEC 60384-14 EN 60384-14	812168	
DEMKO		314115	
FIMKO		24197	
NEMKO		P08209361	
ESTI		08.0710	
NSW	IEC 60384-14 AS3250	6824	

- The certification number might change due to revision of the application standard and changes in the range of acquisition.
- Please contact us when the certification of Chinese Safety Standard or South Korean Safety Standard is necessary.



■ Marking

Example	Item
	① Type Designation KY
	② Nominal Capacitance (Under 100pF: Actual value, 100pF and over: Marked with 3 figures)
	③ Capacitance Tolerance
	④ Company Name Code C8 : Made in Taiwan C15 : Made in Thailand
	⑤ Manufactured Date Code
	Class Code X1Y2
	Rated Voltage Mark 250~

Lead Spacing F=7.5mm

Part Number	AC Rated Voltage (Vac)	Temp. Char.	Capacitance (pF)	Body Dia. D (mm)	Lead Spacing F (mm)	Body Thickness T (mm)	Lead Package Long Bulk	Lead Package Short Bulk	Lead Package Taping (1)
DE21XKY100J□□□M02	250	SL	10 ±5%	8 max.	7.5	5.0 max.	A3B	B3B	N3A
DE21XKY150J□□□M02	250	SL	15 ±5%	8 max.	7.5	5.0 max.	A3B	B3B	N3A
DE21XKY220J□□□M02	250	SL	22 ±5%	8 max.	7.5	5.0 max.	A3B	B3B	N3A
DE21XKY330J□□□M02	250	SL	33 ±5%	8 max.	7.5	5.0 max.	A3B	B3B	N3A
DE21XKY470J□□□M02	250	SL	47 ±5%	8 max.	7.5	5.0 max.	A3B	B3B	N3A
DE21XKY680J□□□M02	250	SL	68 ±5%	8 max.	7.5	5.0 max.	A3B	B3B	N3A
DE2B3KY101K□□□M02	250	B	100 ±10%	7 max.	7.5	5.0 max.	A3B	B3B	N3A
DE2B3KY151K□□□M02	250	B	150 ±10%	7 max.	7.5	5.0 max.	A3B	B3B	N3A
DE2B3KY221K□□□M02	250	B	220 ±10%	7 max.	7.5	5.0 max.	A3B	B3B	N3A
DE2B3KY331K□□□M02	250	B	330 ±10%	7 max.	7.5	5.0 max.	A3B	B3B	N3A
DE2B3KY471K□□□M02	250	B	470 ±10%	7 max.	7.5	5.0 max.	A3B	B3B	N3A
DE2B3KY681K□□□M02	250	B	680 ±10%	8 max.	7.5	5.0 max.	A3B	B3B	N3A
DE2E3KY102M□□□M02	250	E	1000 ±20%	7 max.	7.5	5.0 max.	A3B	B3B	N3A
DE2E3KY152M□□□M02	250	E	1500 ±20%	7 max.	7.5	5.0 max.	A3B	B3B	N3A
DE2E3KY222M□□□M02	250	E	2200 ±20%	8 max.	7.5	5.0 max.	A3B	B3B	N3A
DE2E3KY332M□□□M02	250	E	3300 ±20%	9 max.	7.5	5.0 max.	A3B	B3B	N3A
DE2E3KY472M□□□M02	250	E	4700 ±20%	10 max.	7.5	5.0 max.	A3B	B3B	N3A
DE2F3KY103M□□□M02	250	F	10000 ±20%	14 max.	7.5	5.0 max.	A3B	B3B	N3A

Three blank columns are filled with the lead and packaging codes. Please refer to the 3 columns on the right for the appropriate code.

Individual specification code "M02" expresses "simplicity marking and guarantee of dielectric strength between lead wires: AC2600V."

Murata part numbers might be changed depending on lead code or any other changes. Therefore, please specify only the type name (KY) and capacitance of products in the parts list when it is required for applying safety standard of electric equipment.

Lead Spacing F=5mm

Part Number	AC Rated Voltage (Vac)	Temp. Char.	Capacitance (pF)	Body Dia. D (mm)	Lead Spacing F (mm)	Body Thickness T (mm)	Lead Package Long Bulk	Lead Package Short Bulk	Lead Package Taping (1)
DE21XKY100J□□□M01	250	SL	10 ±5%	8 max.	5.0	5.0 max.	A2B	B2B	N2A
DE21XKY150J□□□M01	250	SL	15 ±5%	8 max.	5.0	5.0 max.	A2B	B2B	N2A
DE21XKY220J□□□M01	250	SL	22 ±5%	8 max.	5.0	5.0 max.	A2B	B2B	N2A
DE21XKY330J□□□M01	250	SL	33 ±5%	8 max.	5.0	5.0 max.	A2B	B2B	N2A
DE21XKY470J□□□M01	250	SL	47 ±5%	8 max.	5.0	5.0 max.	A2B	B2B	N2A
DE21XKY680J□□□M01	250	SL	68 ±5%	8 max.	5.0	5.0 max.	A2B	B2B	N2A
DE2B3KY101K□□□M01	250	B	100 ±10%	7 max.	5.0	5.0 max.	A2B	B2B	N2A
DE2B3KY151K□□□M01	250	B	150 ±10%	7 max.	5.0	5.0 max.	A2B	B2B	N2A
DE2B3KY221K□□□M01	250	B	220 ±10%	7 max.	5.0	5.0 max.	A2B	B2B	N2A
DE2B3KY331K□□□M01	250	B	330 ±10%	7 max.	5.0	5.0 max.	A2B	B2B	N2A
DE2B3KY471K□□□M01	250	B	470 ±10%	7 max.	5.0	5.0 max.	A2B	B2B	N2A
DE2B3KY681K□□□M01	250	B	680 ±10%	8 max.	5.0	5.0 max.	A2B	B2B	N2A
DE2E3KY102M□□□M01	250	E	1000 ±20%	7 max.	5.0	5.0 max.	A2B	B2B	N2A
DE2E3KY152M□□□M01	250	E	1500 ±20%	7 max.	5.0	5.0 max.	A2B	B2B	N2A
DE2E3KY222M□□□M01	250	E	2200 ±20%	8 max.	5.0	5.0 max.	A2B	B2B	N2A
DE2E3KY332M□□□M01	250	E	3300 ±20%	9 max.	5.0	5.0 max.	A2B	B2B	N2A
DE2E3KY472M□□□M01	250	E	4700 ±20%	10 max.	5.0	5.0 max.	A2B	B2B	N2A

Three blank columns are filled with the lead and packaging codes. Please refer to the 3 columns on the right for the appropriate code.

Individual specification code "M01" expresses "simplicity marking and guarantee of dielectric strength between lead wires: AC2000V."

Murata part numbers might be changed depending on lead code or any other changes. Therefore, please specify only the type name (KY) and capacitance of products in the parts list when it is required for applying safety standard of electric equipment.