Safety Recognized/High Voltage Ceramic Capacitors



Type KX Small Size (Reinforced Insulation) -IEC60384-14 Class X1, Y1-

Features

- 1. We design capacitors in much more compact size than current Type KX, having reduced the diameter by 20% max.
- 2. Operating temperature range guaranteed up to 125 degrees (UL: 85 deg.).
- 3. Dielectric strength: AC4000V
- 4. Class X1/Y1 capacitors which are recognized by UL/CSA/BSI/SEMKO/SEV/VDE/FIMKO/NEMKO/DEMKO/ IMQ.
- Possible to use with a component in appliance requiring reinforced insulation and double insulation based on UL1492, IEC60065 and IEC60950.
- 6. Coated with flame-retardant epoxy resin (conforming to UL94V-0 standard).
- 7. Cost-saving automatic insertion available.
- Available product for RoHS Restriction (EU Directive 2002/95/EC).

Applications

- 1. Ideal for use as X/Y capacitors for AC line filter 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.
- * : Small sized Type KX differs from current Type KX in electrical characteristics, such as the voltage dependency, of capacitance temperature dependecy, and Dielectric strength.

Therefore, before replacing current Type KX, please make a performance check by equipment.

Please refer below too.

[Notice (Rating)

item 2. "Performance check by equipment".]

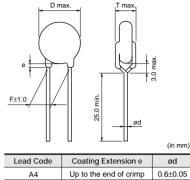
Standard Recognition

	Standard No.	Recognized No.	Rated Voltage			
UL	UL1414	E37921	_			
CSA	E384-14	LR44559				
BSI	EN60065 (8.8, 14.2) EN132400	227859				
SEMKO		310283	AC250V (r.m.s.)			
SEV		02.1105				
VDE	EN132400	40002831	(1.11.3.)			
FIMKO		132400 18987				
NEMKO		P02102026				
DEMKO		139471-01/A1				
IMQ		V4069				

• The recognition number might change by the revision of the application standard and the change within the range of acquisition.

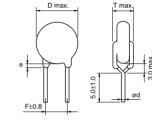
 Please contact us when the recognition of CQC (Chinese Safety Standard) or KTL (South Korean Safety Standard) is necessary.





Vertical Crimp Long (A4)





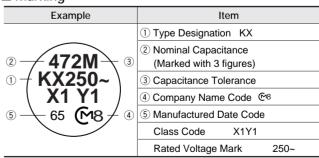
(in mm)

[Bulk] Vertical Crimp Short (B4)

 Lead Code
 Coating Extension e
 ød

 B4
 Up to the end of crimp
 0.6±0.05

Marking





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)
DE1B3KX101K	250	В	100 ±10%	8 max.	10.0	7.0 max.	A4B	B4B	N4A
DE1B3KX151K	250	В	150 ±10%	8 max.	10.0	7.0 max.	A4B	B4B	N4A
DE1B3KX221K	250	В	220 ±10%	8 max.	10.0	7.0 max.	A4B	B4B	N4A
DE1B3KX331K	250	В	330 ±10%	8 max.	10.0	7.0 max.	A4B	B4B	N4A
DE1B3KX471K	250	В	470 ±10%	8 max.	10.0	7.0 max.	A4B	B4B	N4A
DE1B3KX681K	250	В	680 ±10%	9 max.	10.0	7.0 max.	A4B	B4B	N4A
DE1E3KX102M	250	E	1000 ±20%	7 max.	10.0	7.0 max.	A4B	B4B	N4A
DE1E3KX152M	250	E	1500 ±20%	8 max.	10.0	7.0 max.	A4B	B4B	N4A
DE1E3KX222M	250	E	2200 ±20%	9 max.	10.0	7.0 max.	A4B	B4B	N4A
DE1E3KX332M	250	E	3300 ±20%	10 max.	10.0	7.0 max.	A4B	B4B	N4A
DE1E3KX472M	250	E	4700 ±20%	12 max.	10.0	7.0 max.	A4B	B4B	N4A

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

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

