

Safety Recognized/High Voltage Ceramic Capacitors

muRata

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/SEMCO/SEV/VDE/FIMKO/NEMKO/DEMKO/IMQ.
5. 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.
8. 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 dependency, and Dielectric strength.

Therefore, before replacing current Type KX, please make a performance check by equipment.
Please refer below too.

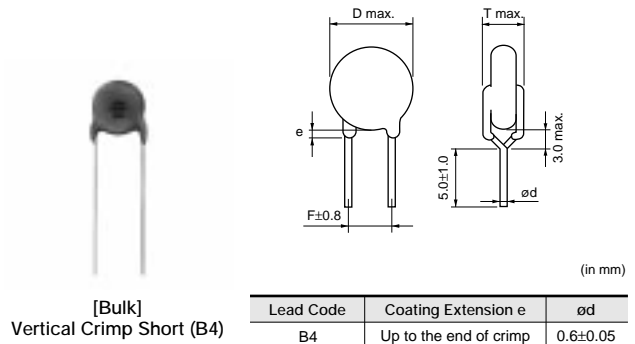
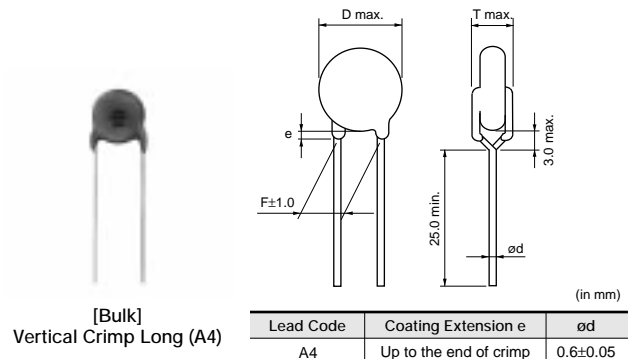
[Notice (Rating)

item 2. "Performance check by equipment".]

■ Standard Recognition

	Standard No.	Recognized No.	Rated Voltage
UL	UL1414	E37921	AC250V (r.m.s.)
CSA	E384-14	LR44559	
BSI	EN60065 (8.8, 14.2) EN132400	227859	
SEMCO	EN132400	310283	
SEV		02.1105	
VDE		40002831	
FIMKO		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.



■ Marking

Example	Item
	① Type Designation KX
	② Nominal Capacitance (Marked with 3 figures)
	③ Capacitance Tolerance
	④ Company Name Code M8
	⑤ Manufactured Date Code
Class Code X1Y1	
Rated Voltage Mark 250~	

3

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.