

# Safety Recognized/High Voltage Ceramic Capacitors



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

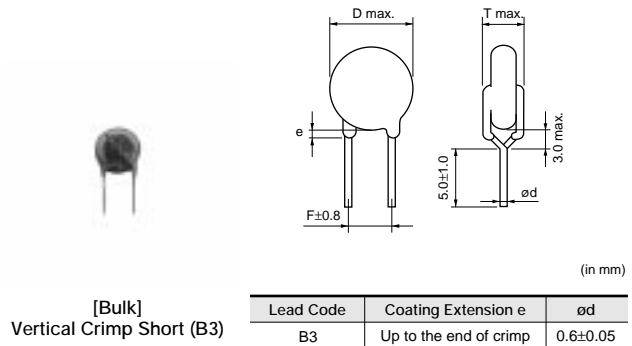
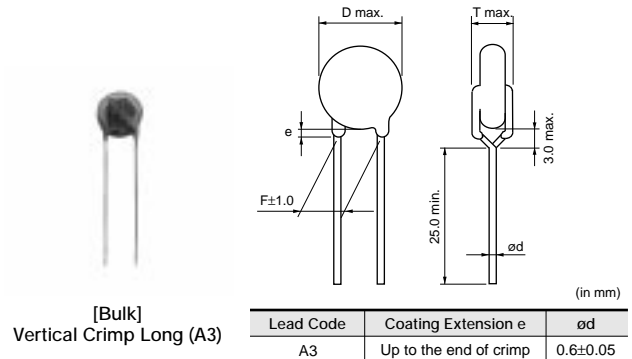
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### ■ Features

1. Operating temperature range guaranteed up to 125 degrees (UL: 85 deg.).
2. Dielectric strength: AC2600V
3. Class X1/Y2 capacitors which are recognized by UL/CSA/BSI/SEMKO/SEV/VDE/FIMKO/NEMKO/DEMKO/NSW.
4. Coated with flame-retardant epoxy resin (conforming to UL94V-0 standard).
5. Cost-saving automatic insertion available.
6. Available product for RoHS Restriction (EU Directive 2002/95/EC).

### ■ Applications

Ideal for use as X/Y capacitors for AC line filter and primary-secondary coupling on switching power supplies and AC adapters.



### ■ 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	227636	
SEMKO	EN132400	0236131/01-02	
SEV		02.1106	
VDE		40002796	
FIMKO		18986	
NEMKO		P02102025	
DEMKO		139471-01/A1	
NSW (SAA)	IEC60384-14 (2nd Edition)	6529/5	

- 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 KH
	② Nominal Capacitance (Marked with 3 figures)
	③ Capacitance Tolerance
	④ Company Name Code
	⑤ Manufactured Date Code
	UL Approval Mark
	CSA Approval Mark
	BSI Approval Mark BS415
	SEMKO Approval Mark
	SEV Approval Mark
VDE Approval Mark	
FIMKO Approval Mark	
NEMKO Approval Mark	
DEMKO Approval Mark	
Class Code X1Y2	
Rated Voltage Mark 250~	

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)
DE2B3KH101K□□□	250	B	100 ±10%	8 max.	7.5	7.0 max.	A3B	B3B	N3A
DE2B3KH151K□□□	250	B	150 ±10%	8 max.	7.5	7.0 max.	A3B	B3B	N3A
DE2B3KH221K□□□	250	B	220 ±10%	8 max.	7.5	7.0 max.	A3B	B3B	N3A
DE2B3KH331K□□□	250	B	330 ±10%	8 max.	7.5	7.0 max.	A3B	B3B	N3A
DE2B3KH471K□□□	250	B	470 ±10%	8 max.	7.5	7.0 max.	A3B	B3B	N3A
DE2B3KH681K□□□	250	B	680 ±10%	9 max.	7.5	7.0 max.	A3B	B3B	N3A
DE2E3KH102M□□□	250	E	1000 ±20%	8 max.	7.5	7.0 max.	A3B	B3B	N3A
DE2E3KH152M□□□	250	E	1500 ±20%	9 max.	7.5	7.0 max.	A3B	B3B	N3A
DE2E3KH222M□□□	250	E	2200 ±20%	10 max.	7.5	7.0 max.	A3B	B3B	N3A
DE2E3KH332M□□□	250	E	3300 ±20%	12 max.	7.5	7.0 max.	A3B	B3B	N3A
DE2E3KH472M□□□	250	E	4700 ±20%	13 max.	7.5	7.0 max.	A3B	B3B	N3A
DE2F3KH103M□□□	250	F	10000 ±20%	16 max.	7.5	7.0 max.	A3B	B3B	N7A

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(KH) and capacitance of products in the parts list when it is required for applying safety standard of electric equipment.