



**THE DATASHEET OF
DE1E3KX102MN4AP01F**



● Part Numbering

Safety Standard Certified Lead Type Disc Ceramic Capacitors for General Purpose

(Part Number)

DE	2	E3	KY	102	M	N3	A		F
①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩

①Product ID ②Series Category

Product ID	Code	Outline	Contents
DE	1	Safety Standard	IEC60384-14 Class X1, Y1
	2	Certified	IEC60384-14 Class X1, Y2

For Electrical Appliance and Material Safety Law of Japan, the first three digits (①Product ID and ②Series Category) express "Series Name."

For Safety Certified Capacitors, the first three digits express product code. The fourth figure expresses certified type shown in ④Safety Standard Certified Type column.

③Temperature Characteristics

Code	Temperature Characteristics	Cap. Change or Temp. Coeff.	Temperature Range
B3	B	±10%	-25 to +85°C
E3	E	+20%, -55%	
F3	F	+30%, -80%	
1X	SL	+350 to -1000ppm/°C	

④Rated Voltage/Safety Standard Certified Type

Code	Rated Voltage
RA	X1: AC440V (r.m.s.), Y1: AC250V (r.m.s.) or X1: AC440V (r.m.s.), Y1: AC300V (r.m.s.) or X1: AC500V (r.m.s.), Y1: AC500V (r.m.s.) (Safety Standard Certified Type RA)
RB	X1: AC760V (r.m.s.), Y1: AC500V (r.m.s.) (Safety Standard Certified Type RB)
KX	X1: AC440V (r.m.s.), Y1: AC250V (r.m.s.) or X1: AC440V (r.m.s.), Y1: AC300V (r.m.s.) (Safety Standard Certified Type KX)
SA	X1: AC300V (r.m.s.), Y2: AC250V (r.m.s.) or X1: AC300V (r.m.s.), Y2: AC300V (r.m.s.) or X1: AC440V (r.m.s.), Y2: AC400V (r.m.s.) (Safety Standard Certified Type SA)
KY	X1: AC250V (r.m.s.), Y2: AC250V (r.m.s.) or X1: AC250V (r.m.s.), Y2: AC300V (r.m.s.) (Safety Standard Certified Type KY)

⑤Capacitance

Expressed by three figures. The unit is pico-farad (pF). The first and second figures are significant digits, and the third figure expresses the number of zeros that follow the two numbers.

⑥Capacitance Tolerance

Code	Capacitance Tolerance
J	±5%
K	±10%
M	±20%

⑦Lead Style

Code	Lead Style	Dimensions (mm)		
		Lead Spacing	Lead Diameter	Pitch of Components
A2	Vertical Crimp Long	5	ø0.6±0.05	—
A3		7.5		
A4		10		
B2/J2	Vertical Crimp Short	5	ø0.6±0.05	—
B3/J3		7.5		
B4/J4		10		
N2	Vertical Crimp Taping	5	ø0.6±0.05	12.7
N3		7.5		15
N4		10		25.4

⑧Packaging

Code	Packaging
A	Ammo Pack Taping
B	Bulk

⑨Individual Specification Code

For part number that cannot be identified without "Individual Specification," it is added at the end of part number, expressed by three-digit alphanumeric.

⑩Halogen-free Compatible Product

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- [Murata Electronics North America Information](#)

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