



**THE DATASHEET OF
DE1E3KX222MN4AP01F**



● Part Numbering

Safety Standard Certified Lead Type Disc Ceramic Capacitors

(Part Number)

DE1	E3	RA	102	M	N4	A	N01F
①	②	③	④	⑤	⑥	⑦	⑧

① Series

Code	Series	Contents
DE1	Safety Standard Certified Lead Type Disc Ceramic Capacitors for Consumer Electronics & Industrial Equipment	IEC60384-14 Class X1, Y1
DE2		IEC60384-14 Class X1, Y2
DE6	Safety Standard Certified Lead Type Disc Ceramic Capacitors for Automotive (Powertrain/Safety)	IEC60384-14 Class X1, Y2

② Temperature 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	+20 to +85°C

③ Certified Type

Code	③ Individual Specification Code	Rated Voltage	Certified Type
RA	H***	X1 : 440Vac (r.m.s.), Y1 : 400Vac (r.m.s.), 1kVdc	Type RA
	N***	X1 : 440Vac (r.m.s.), Y1 : 250Vac (r.m.s.), 1kVdc	
	P***	X1 : 440Vac (r.m.s.), Y1 : 300Vac (r.m.s.), 1kVdc	
	Q***	X1 : 500Vac (r.m.s.), Y1 : 500Vac (r.m.s.), 1.5kVdc	
RB	R***	X1 : 760Vac (r.m.s.), Y1 : 500Vac (r.m.s.), 1.5kVdc	Type RB
KX	C***	X1 : 440Vac (r.m.s.), Y1 : 250Vac (r.m.s.)	Type KX
	N***	X1 : 440Vac (r.m.s.), Y1 : 250Vac (r.m.s.)	
	P***	X1 : 440Vac (r.m.s.), Y1 : 300Vac (r.m.s.)	
SA	T***	X1 : 300Vac (r.m.s.), Y2 : 250Vac (r.m.s.), 1kVdc	Type SA
	X***	X1 : 300Vac (r.m.s.), Y2 : 300Vac (r.m.s.), 1kVdc	
	Y***	X1 : 440Vac (r.m.s.), Y2 : 400Vac (r.m.s.), 1.5kVdc	
KY	M***	X1 : 250Vac (r.m.s.), Y2 : 250Vac (r.m.s.)	Type KY
	U***	X1 : 250Vac (r.m.s.), Y2 : 300Vac (r.m.s.)	
KJ	E***	X1 : 440Vac (r.m.s.), Y2 : 300Vac (r.m.s.), 1kVdc	Type KJ
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④ Capacitance

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.

⑤ Capacitance Tolerance

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

⑥ Lead 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
N7		7.5		30

⑦ Packaging

Code	Packaging
A	Ammo Pack Taping
B	Bulk

⑧ Individual Specification Code

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

Looking for pricing, stock, or lifecycle information?

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