Part Numbering

【Part Number】DE1E3RA102MN4AN01F

DE1	E3	RA	102	M	N4	A	N01F
❶	❷	❸	❹	❺	❻	❼	❽

muRata
INNOVATOR IN ELECTRONICS

❶Series

Code	Series	Contents
DE1	Safety Standard Certified Lead Type Disc Ceramic Capacitors for Consumer Electronics & Industrial Equipment	IEC60384-14 ClassX1, Y1
DE2		IEC60384-14 ClassX1, Y2
DE5	Safety Standard Certified Lead Type Disc Ceramic Capacitors for Automotive (Powertrain/Safety)	IEC60384-14 ClassX1, Y1
DE6		IEC60384-14 ClassX1, Y2

❷Temperature Characteristics

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

❸Rated Voltage/Certified Type

Code	❽Individual Specification Code	Rated Voltage	Certified Type
KJ	E***	X1 : 440Vac(r.m.s.), Y2 : 300Vac(r.m.s.), 1000Vdc	Type KJ
	–		
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.)	
KY	M***	X1 : 250Vac(r.m.s.), Y2 : 250Vac(r.m.s.)	Type KY
RA	H***	X1 : 440Vac(r.m.s.)/1500Vdc, Y1 : 400Vac(r.m.s.)/1500Vdc	Type RA
	N***	X1 : 440Vac(r.m.s.)/1500Vdc, Y1 : 250Vac(r.m.s.)/1500Vdc	
	P***	X1 : 440Vac(r.m.s.)/1500Vdc, Y1 : 300Vac(r.m.s.)/1500Vdc	
	Q***	X1 : 500Vac(r.m.s.)/1500Vdc, Y1 : 500Vac(r.m.s.)/1500Vdc	
RB	R***	X1 : 760Vac(r.m.s.), Y1 : 500Vac(r.m.s.), 1500Vdc	Type RB
SA	T***	X1 : 300Vac(r.m.s.)/1500Vdc, Y2 : 250Vac(r.m.s.)/1500Vdc	Type SA
	X***	X1 : 300Vac(r.m.s.)/1500Vdc, Y2 : 300Vac(r.m.s.)/1500Vdc	
	Y***	X1 : 440Vac(r.m.s.)/1500Vdc, Y2 : 400Vac(r.m.s.)/1500Vdc	

Part Numbering

【Part Number】DE1E3RA102MN4AN01F

DE1	E3	RA	102	M	N4	A	N01F
❶	❷	❸	❹	❺	❻	❼	❽

❹Capacitance

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.

❺Capacitance Tolerance

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

❻Lead Style

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

❼Packaging

Code	Packaging
A	Ammo Pack Taping
B	Bulk

❽Individual 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.