

Excellent Integrated System Limited

Stocking Distributor

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[Murata Electronics North America](#)
[DEHR33A221KA2B](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

Part Numbering

High Voltage Ceramic Capacitors (250V-6.3kV)

(Part Number)

DE	B	B3	3A	102	K	N2	A	
①	②	③	④	⑤	⑥	⑦	⑧	⑨

① Product ID

Product ID	
DE	High Voltage Ceramic Capacitors (250V-6.3kV) / Safety Standard Certified Ceramic Capacitors

② Series Category

Code	Outline	Contents
A	High Voltage	Class 1 (Char. SL) DC1-3.15kV Rated
B		Class 2 DC1-3.15kV Rated
C		Class 1, 2 DC6.3kV Rated
H		High Temperature Guaranteed, Low-dissipation Factor (Char. R, C)
S		High Temperature Guaranteed, Low-dissipation Factor (Char. D)
F		LCD Backlight Inverter Circuit

First three digits (① Product ID and ② Series Category) express "Series Name".

③ 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%	
C3	C	±20%	-25 to +85°C
		+15%, -30%	+85 to +125°C
R3	R	±15%	-25 to +85°C
		+15%, -30%	+85 to +125°C
D3	D	+20%, -30%	-25 to +125°C
1X	SL	+350 to -1000ppm/°C	+20 to +85°C
2C	CH	0±60ppm/°C	+20 to +85°C

④ Rated Voltage

Code	Rated Voltage
2E	DC250V
2H	DC500V
3A	DC1kV
3D	DC2kV
3F	DC3.15kV
3J	DC6.3kV
LH	6.3kVp-p

⑤ 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 which follow the two numbers.

⑥ Capacitance Tolerance

Code	Capacitance Tolerance
C	±0.25pF
D	±0.5pF
J	±5%
K	±10%
Z	+80%, -20%

⑦ 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		10		
C1	Straight Long	5	ø0.5±0.05	—
C3		7.5	ø0.6±0.05	
C4		10		
CD	Straight Short	7.5	ø0.5±0.05	—
D1		5	ø0.5±0.05	
D3		7.5	ø0.6±0.05	
DD	Vertical Crimp Taping	7.5	ø0.5±0.05	12.7
N2		5	ø0.6±0.05	15
N3		7.5		30
N7	Straight Taping	7.5	ø0.6±0.05	12.7
P2		5		15
P3		7.5		

⑧ Packaging

Code	Packaging
A	Ammo Pack Taping Type
B	Bulk Type

⑨ Individual Specification Code

In case part number cannot be identified without "Individual Specification", it is added at the end of part number. Expressed by three-digit alphanumerics.