



**THE DATASHEET OF  
DEBB33D102KA2B**



## ● Part Numbering

### Lead Type Disc Ceramic Capacitors (2kV-6.3kV)

(Part Number)

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

① Product ID ② Series Category

Product ID	Code	Outline	Contents
DE	A	High Voltage	Class 1 (Char. SL) DC2k-3.15kV Rated
	B		Class 2 DC2k-3.15kV Rated
	C		Class 1, 2 DC6.3kV Rated
	F		LCD Backlight Inverter Circuit 6.3kVp-p
	H		High Temperature Guaranteed, Low-dissipation Factor (Char. R) DC2k-3.15kV Rated

The 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%	
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
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 that 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	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		
C4		10		
CD	Straight Short	7.5	ø0.5±0.05	-
D1		5		
D3		7.5		
DD	Vertical Crimp Taping	7.5	ø0.5±0.05	-
N2		5		
N3		7.5		
N7	Straight Taping	7.5	ø0.6±0.05	12.7
P2		5		
P3		7.5		

⑧ Packaging



Code	Packaging
A	Ammo Pack Taping
B	Bulk

⑨ 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-digit alphanumerics.

## Looking for pricing, stock, or lifecycle information?

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-  [Murata Electronics North America Information](#)

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