

Multilayer Ceramic Chip Capacitors (630V series)

Series: **ECJ**



■ Features

- For high density mounting by miniaturization
- Superior humidity characteristic and long life thanks to the monolithic construction
- Low self-inductance and excellent frequency characteristics

■ Recommended Applications

- For noise removal of switching power supply and DC to DC converter

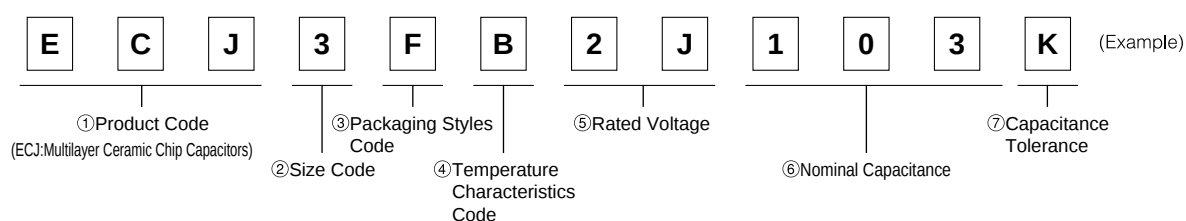
■ Precaution for Handling

“Precautions” are described in the Specifications. Ask us for the Specifications before purchase and/or use, please.

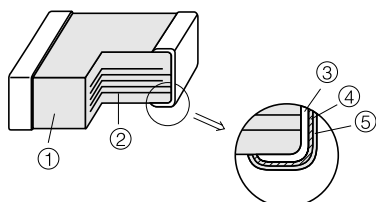
■ Packaging method

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■ Explanation of Part Numbers

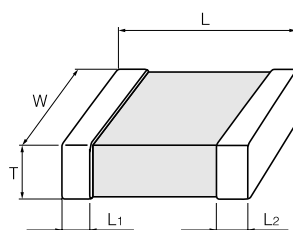


■ Construction



No	Name	
①	Ceramic dielectric	
②	Internal electrode	
③	Terminal electrode	Substrate electrode
④		Intermediate electrode
⑤		External electrode

■ Dimensions in mm (not to scale)



Unit : mm					
Code	Size Code (EIA)	L	W	T	L1, L2
3	Type “13” (1206)	3.20±0.15	1.60±0.15	1.15±0.10	0.6 ±0.3

■ Packaging Styles and Standard Packaging Quantity

Code	Packaing Styles		Quantity	Type "13"(1206)
F	φ180reel	Embossed Taping (Pitch : 4 mm)	pcs./reel	3,000

■ Temperature Characteristics

Code	Temp. Char.	Capacitance Change	Measurement Temperature Range	Reference Temperature
B	B	±10 %	-25 to 85 °C	20 °C
	X7R	±15 %	-55 to 125 °C	25 °C

■ Rated Voltage

Code	2J
Rated Voltage	DC 630 V

■ Nominal Capacitance

Ex.	102	103
Nominal Capacitance	1000 pF	10000 pF (0.01μF)

■ Capacitance Tolerance

Class	Temperature Characteristic	Tolerance Code	Capacitance Tolerance
2	B, X7R	K	±10 %
		M	±20 %

■ Standard Products for Type "13" (EIA "1206") , Taped Version

Capaci- tance (pF)	Code	B			
	Rated voltage	DC630V			
	Capacitance Tolerance	Part No.	Dim T (mm)	Temp.Char. B X7R	
1000	±10%(K) or ±20%(M)	ECJ3FB2J102□	1.15	○	○
2200		ECJ3FB2J222□	1.15	○	○
4700		ECJ3FB2J472□	1.15	○	○
10000		ECJ3FB2J103□	1.15	○	○

□: Capacitance Tolerance Code.

Packaging Style Code : "F" for Taped Version. (φ180 reel, Taping pitch : 4mm)

Soldering method of Dimension T>1mm : Do not use the flow soldering.

Low loss "R characteristics" type is also in our lineup. Inquire it separately, please.
For performance and test method, please contact us separately.