

■ Features

Perform less than 1 fit failure ratio by high voltage durability and high reliability which has optimized internal electrode structure based on designing of safety.

	General Spec.	Mid-voltage range		
	Straight structure	Straight structure	Dual cascade	Triple cascade
Internal structure				
Equivalent circuit				

• Mid-voltage range (Straight structure)

Secure break-down voltage margin with proper suitable dielectric thickness for each rated voltage.

• Mid-voltage range (Dual cascade structure)

Achieves high rated voltage by series connection of two capacitor units in one MLCC to divide applied voltage into two. Also, it has good protection against transient voltage.

• Mid-voltage range (Triple cascade structure)

Achieves high rated voltage by series connection of three capacitor units in one MLCC to divide applied voltage into three. Excellent safety against high voltage.

The multi cascade design prevents short circuit failure which results in excellent reliability

■ Applications

- Camera/ Strobe circuit, Surge killing, Trigger circuit
- LCD back light inverter, Ballast capacitor
- Power circuit/ DC-DC converter, Snubber circuit

X7R Dielectric

● Capacitance chart

Size (EIA Code)	CF21 (0805)	CF316 (1206)			CF32 (1210)			CF42 (1808)		CF43 (1812)			
Rated Voltage (Vdc)	250	250	630	1000	250	630	1000	1000	2000	250	630	1000	2000
Capacitance (pF)	220	470	1000	2200	4700	10000	22000	47000	100000	220000	470000	1000000	2200000
102	B1			A1 B1 C1					A1				A1
103	C1		B1				A1	A1					A1
104	D1	A1	C1			B1	A1 B1				A1		

<Standard Capacitance Value>

• E3 Series

Please contact for capacitance value other than standard.

Two digits alphanumeric in capacitance chart denote dimensions and tan δ.

Please refer to the below table for detail.

(Example)
In case of "B1" for CF21;
L : 2.0±0.1mm
W : 1.25±0.1mm
T : 0.85±0.1mm
Tan δ : 2.5% max.

Size	Size Code	Dimension (mm)		
		L	W	T
21	B	2.0±0.10	1.25±0.10	0.85±0.10
	C	2.0±0.10	1.25±0.10	1.05±0.10
	D	2.0±0.10	1.25±0.10	1.25±0.10
316	A	3.2±0.20	1.6±0.15	1.15±0.10
	B	3.2±0.20	1.6±0.15	1.25±0.10
32	A	3.2±0.20	1.6±0.15	1.6±0.15
	B	3.2±0.30	2.5±0.20	1.6±0.15
42	A	3.2±0.30	2.5±0.20	2.0±0.20
	B	4.5±0.20	2.0±0.20	2.2 max.
43	A	4.5±0.30	3.2±0.20	2.5 max.

Tan δ Code	Tan δ
1	2.5%max.