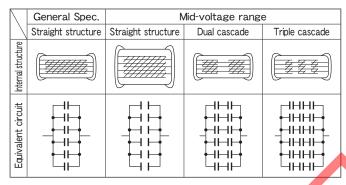


High Voltage CF Series

[RoHS Compliant Products]

### ■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.



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

<sup>(</sup>Standard Capacitance Value)

Two digits alphanumerics in capacitance chart denote dimensions and tan  $\delta$ . Please refer to the below table for detail.

### (Example)

In case of "B1" for CF21; L:  $2.0\pm0.1$ mm W:  $1.25\pm0.1$ mm T:  $0.85\pm0.1$ mm Tan  $\delta$ : 2.5% max.

Size	Size Code	Dimension (mm)				
Size			W	Т		
	В	2.0±0.10	1.25±0.10	0.85±0.10		
21	С	2.0±0.10	1.25±0.10	1.05±0.10		
	D	$2.0 \pm 0.10$	1.25 ± 0.10	1.25±0.10		
	А	3.2±0.20	1.6±0.15	1.15±0.10		
316	В	3.2±0.20	1.6±0.15	1. <b>25</b> ±0.10		
	С	3.2 ± 0.20	1.6±0.15	1.6 ± 0.15		
32	Α	3.2±0.30	2.5±0.20	1.6±0.15		
	В	$3.2 \pm 0.30$	2.5 ± 0.20	2.0±0.20		
42	Α	4.5±0.20	2.0±0.20	2.2 max.		
43	А	4.5 ± 0.30	3.2±0.20	2.5 max.		

Tan δ Code	Tan δ
1	2.5%max.

<sup>•</sup> E3 Series

Please contact for capacitance value other than standard.