

# Ceramic Capacitors

# CKG Series

## For Smoothing SMD

### FEATURES

- No polarity.
- Twice the capacitance is obtainable on a single capacitor space.
- Unique construction provides high reliability.
- The metal caps absorbs stress from thermal and mechanical shocks, ensuring excellent performance on aluminum circuit substrates.
- Low ESR and ESL promises excellent characteristics for high frequency switching power supply.

### APPLICATIONS

Smoothing circuits, temperature variable applications, Maintenance free power supplies, DC to DC converters, automotive applications.



### CAPACITANCE RANGES

Temperature Characteristics : X5R, Tolerance : M( $\pm 20\%$ )

Rated voltage Edc(V)	CKG45D Capacitance ( $\mu\text{F}$ )	CKG45D Part No.	CKG57D Capacitance ( $\mu\text{F}$ )	CKG57D Part No.
16	47	CKG45DX5R1C476M	100	CKG57DX5R1C107M
25	-	-	47	CKG57DX5R1E476M
50	10	CKG45DX5R1H106M	22	CKG57DX5R1H226M

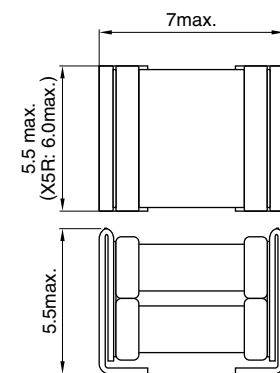
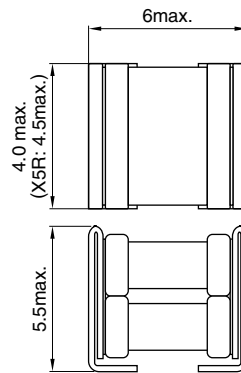
Temperature Characteristics : X7R, Tolerance : M( $\pm 20\%$ )

Rated voltage Edc(V)	CKG45D Capacitance ( $\mu\text{F}$ )	CKG45D Part No.	CKG57D Capacitance ( $\mu\text{F}$ )	CKG57D Part No.
16	22	CKG45DX7R1C226M	33	CKG57DX7R1C336M
25	10	CKG45DX7R1E106M	22	CKG57DX7R1E226M
50	3.3	CKG45DX7R1H335M	6.8	CKG57DX7R1H685M
100	1.5	CKG45DX7R2A155M	4.7	CKG57DX7R2A475M
250	0.47	CKG45DX7R2E474M	1	CKG57DX7R2E105M
630	0.22	CKG45DX7R2J224M	0.47	CKG57DX7R2J474M

### CASE SIZE

CKG45D

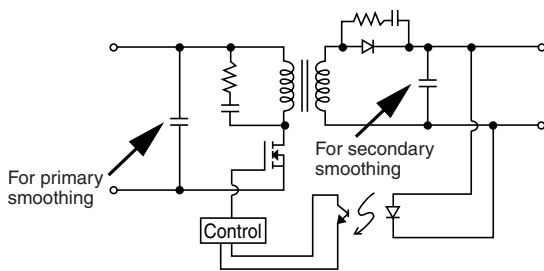
CKG57D



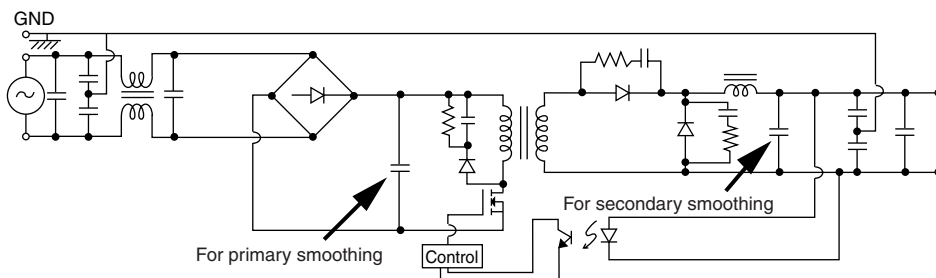
Dimensions in mm

### TYPICAL APPLICATION EXAMPLES

#### DC TO DC CONVERTER



#### SWITCHING POWER SUPPLY



• For more information about products with other capacitance or other data, please contact us.

• All specifications are subject to change without notice.