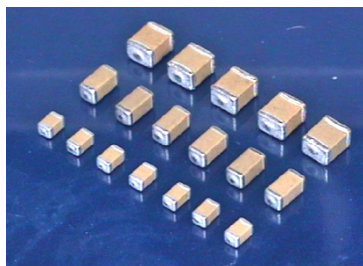


Multilayer Ceramic Chip Capacitors [Trigger Capacitors for Strobe]

TCX Series



The TCX series is specifically designed with a proprietary material for discharge applications such as strobe circuit applications. The unique properties of the X7E material, and the design of the TCX series, make them suitable for any discharge application which requires the capacitor to have a good damping characteristic.

The TCX series is also suitable for applications in which a minimum change in capacitance over temperature (T/C) is desired. The TCX series is offered in sizes 0805, 1206 and 1210 and at 350Vdc and 630Vdc.

◆ Features

- Excellent trigger characteristics
- Low ESR & Low Tan δ
- Excellent DC Bias
- Provide good damping characteristics results in more light
- RoHS compliant

◆ Applications

- Suitable for strobe trigger circuit in digital and electric cameras.

◆ Summary of Specifications

Operation Temperature	-55 °C ~ +125 °C
Rated Voltage	350Vdc and 630Vdc
Temperature Coefficient	X7E : $\leq \pm 4.7\%$, -55 °C ~ +125 °C (EIA Class II)
Capacitance Range	1.0nF to 100nF
Dissipation Factor	1.0% max. at 1KHz 25 °C
Insulation Resistance	10G Ω or 500/C Ω whichever is smaller (C in Farads)
Dielectric Strength	350Vdc : 200% Rated Voltage
	630Vdc : 150% Rated Voltage
Capacitance Tolerance	$\pm 5\%$, $\pm 10\%$, $\pm 20\%$
Aging	1.0% per decade hr., typical

◆ How To Order

TCX

1206

C

223

K

631

T

Product Code	Chip Size	Dielectric	Capacitance Unit : pF	Tolerance	Rated Voltage	Packaging
TCX: Trigger Capacitor	Ex.: 0805 1206 1210	C: X7E	Ex.: 102 : 10 \times 10 ² 473 : 47 \times 10 ³	Ex.: J : +/- 5% K : +/- 10% M : +/- 20%	Ex.: 351 : 350Vdc 631 : 630Vdc	T: T&R 7" R: T&R 13" B: Bulk

