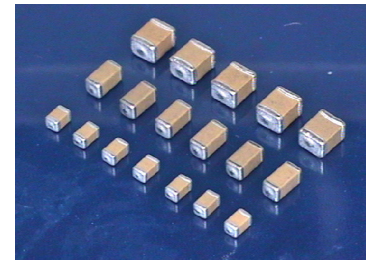




Holy Stone ... an innovation leader in ceramic capacitors!

Multilayer Ceramic Chip Capacitors (MLCC)



TCX Series

[Trigger Cap. for Strobe Circuit]

TCX SERIES

Multilayer Ceramic Chip Capacitors

Holystone TCX series are 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 TCX, makes them suitable for any discharge application which requires the capacitor to have a good damping characteristic.

TCX series are also suitable for applications where a significant change of capacitance value with temperature is not desired. TCX series is offered in 0805, 1206 and 1210 sizes at 350 and 630 voltages.

◆ Features

- Excellent Trigger Characteristics
- Low ESR & Low Tan δ
- Excellent DC Bias
- Provide Good Damping Characteristics
Results in More Light.
- RoHS compliant

◆ Application

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

◆ Summary Specification

Operation Temperature	-55~+125 °C
Capacitance Range	1.0nF to 68nF
Rated Voltage	350Vdc to 630Vdc
Temperature Coefficient	$\leq \pm 4.7\%$, -55~+125 °C (EIA Class II)
Dissipation Factor :	1.0% max. at 1KHz 25°C
Insulation Resistance	10G Ω or 500/C Ω whichever is smaller (C in farad)

◆ Summary of Specification

Operation Temperature :

-55~+125 °C

Size :

0805 to 1210

Rated Voltage :

350V & 630Vdc

Temperature Coefficient :

≤ ±4.7% , -55~+125 °C (EIA Class II)

Aging :

1.0% per decade hr , Typical

Capacitance Range :

1nF ~ 68nF

Dissipation Factor :

DF≤ 1.0% max. at 1KHz 25°C

Insulation Resistance :

10GΩ or 500/C Ω whichever is smaller (C in Farad)

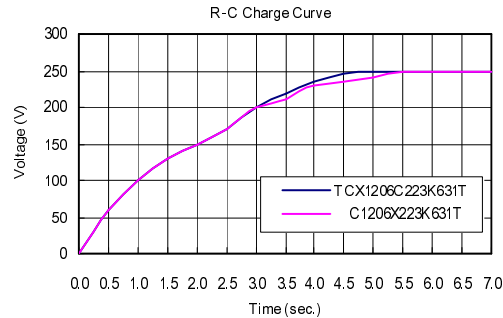
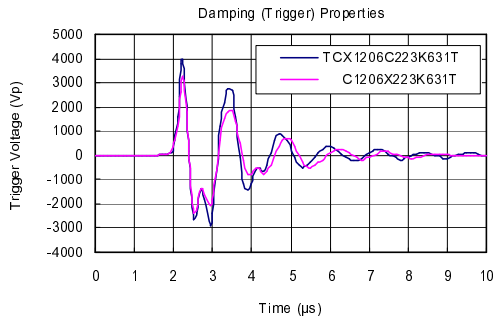
Dielectric Strength :

250V ≤ V < 500V 200% Rated Voltage

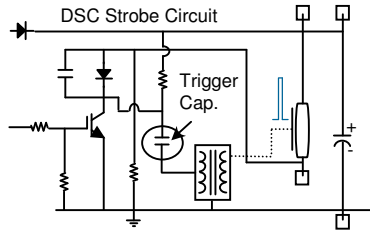
500V ≤ V < 1000V

for 5 second @ 50mA max. current

◆ Characteristic



◆ Application



◆ Capacitance Scope

Dielectric Characteristic	Size	Voltage	Capacitance Range																										
			102	122	152	182	222	272	332	392	472	562	682	822	103	123	153	183	223	273	333	393	473	563	683	823	104	154	224
X7E	0805	350V	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
		630V																											
	1206	350V																											
		630V																											
1210	350V																												
	630V																												

◆ How To Order

TCX	1206	C	223	K	631	T
Product Code	Chip Size	Dielectric	Capacitance(pF)	Tolerance	Rated Voltage	Packaging
TCX:	0805:2.0x1.25 mm	C:X7E	102:10x10 ²	J: +/- 5.0%	351:350Vdc	B: Bulk
Trigger	1206:3.2x1.60 mm		473:47x10 ³	K: +/- 10%	631:630Vdc	T: Tapping & Reel
Capacitors	1210:3.2x2.50 mm			M: +/- 20%		



Location in Taiwan

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