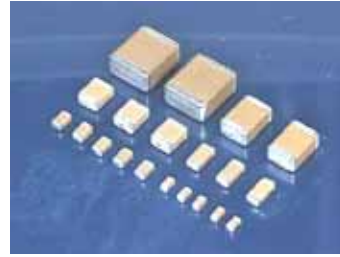


TCX Series

[Trigger Capacitors for Strobe Circuit]



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.

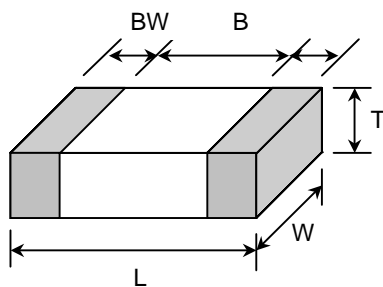
◆ Features & Application

- ❑ Excellent Trigger Characteristic
- ❑ Low ESR & Low Tan
- ❑ Excellent DC Bias
- ❑ Provide Good Damping Characteristic To Get More Light.
- ❑ Suitable for digital/electric cameras in Strobe trigger circuit

◆ Summary of Specification

Operation Temperature	-55~+125
Rated Voltage	350Vdc and 630Vdc
Temperature Coefficient	X7E : $\leq \pm 4.7\%$, -55~+125 (EIA Class II)
Capacitance Range	1.0nF to 68nF
Dissipation Factor :	1.0% max. at 1KHz 25
Insulation Resistance	10G or 500/C whichever is smaller (C in Farad)
Dielectric Strength	250V V < 500V : 200% Rated Voltage
	500V V < 1000V : 150% Rated Voltage
Capacitance Tolerance	$\pm 5\%$, $\pm 10\%$, $\pm 20\%$
Aging	1.0% per decade hr, Typical

◆ Dimension



Unit : mm [inches]

TYPE	L	W	T (max)	B (min)	BW (min)
0805	2.00+/- 0.2 [.079+/- .012]	1.25+/-0.2 [.049+/- .008]	1.45 [.057]	0.70 [.028]	0.20 [.008]
1206	3.20+/-0.3 [.126+/- .012]	1.60+/-0.2 [.126+/- .012]	1.80 [.071]	1.50 [.059]	0.30 [.012]
1210	3.20+/-0.3 [.126+/- .012]	2.50+/-0.2 [.098+/- .008]	1.80 [.071]	1.60 [.063]	0.30 [.012]

◆ 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.: 1206 : 3.2x1.6 mm 1210 : 3.2x2.5 mm	C: X7E	Ex.: 102:10x10 ² 473:47x10 ³	Ex.: J : +/- 5% K: +/- 10% M: +/- 20%	Ex.: 351:350Vdc 631:630Vdc	T: Taping & Reel B: Bulk

