

FT series

Low Dissipation capacitor series (350V & 630V)

◆ Features

- » Low ESR and Low Tan δ
- » Excellent DC Bias
- » Provide Good Ripple Characteristic.
- » Excellent Temperature Coefficient
- » RoHS & SS-00259 compliant

◆ Applications

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

◆ Part Number

FT	1206	X	102	K	101
Series	Size	Dielectric	Capacitance	Tolerance	Rated voltage
	Inch: 1206 1210	X: X7R	Two significant Digits followed by no. of zeros and P is in place of decimal point Eg.: 0P47 = 0.47pF 0P5 = 0.5pF 1P0 = 1.0pF 100 = 10×10^0 = 10pF	J=±5% K=±10% M=±20%	Two significant Digits followed by no. of zeros and V is in place of decimal point 351 = 350 VDC 631 = 630 VDC

◆ General Electrical Data

Dielectric	X7R
Size	0805, 1206, 1210
Capacitance range*	100pF ~ 0.15 μ F
Capacitance tolerance	J (±5%), K (±10%), M(±20%)
Rated voltage (WVDC)	350V, 630V,
Tan δ	$U_R < 200V$: 1.4% max. ; $U_R \geq 200V$: 1.0% max.
Dielectric Strength	* To apply voltage: $U_R = 350$ =1.5 times of U_R $U_R = 630V$ =1.2 times of U_R * Duration: 1 to 5 sec.
Insulation resistance at U_R **	$\geq 10G\Omega$ or $R \times C \geq 500\Omega \times F$ whichever is smaller
Operating temperature	-55 to +125°C
Capacitance characteristic	±15%

* Measured at the condition of 30~70% related humidity. Apply 1.0±0.2Vrms, 1.0kHz±10%, at 25°C ambient temperature.

**Measured at 500VDC for 60 sec, for $U_R > 500VDC$

◆ Capacitance Range

Dielectric	X7R			
	0805	1206		1210
	Rated Voltage	350	350	630
100pF (101)				
120pF (121)				
150pF (151)				
180pF (181)				
220pF (221)				
270pF (271)				
330pF (331)				
390pF (391)				
470pF (471)				
560pF (561)				
680pF (681)				
820pF (821)				
1000pF (102)				
1200pF (122)				
1500pF (152)				
1800pF (182)				
2200pF (222)				
2700pF (272)				
3300pF (332)				
3900pF (392)				
4700pF (472)				
5600pF (562)				
6800pF (682)				
8200pF (822)				
0.010uF (103)				
0.012uF (123)				
0.015uF (153)				
0.018uF (183)				
0.022uF (223)				
0.027uF (273)				
0.033uF (333)				
0.039uF (393)				
0.047uF (473)				
0.056uF (563)				
0.068uF (683)				
0.082uF (823)				
0.10uF (104)				
0.12uF (124)				
0.15uF (154)				
0.18uF (184)				
0.22uF (224)				
0.27uF (274)				
0.33uF (334)				
0.39uF (394)				
0.47uF (474)				
0.56uF (564)				
0.68uF (684)				
0.82uF (824)				
1.0uF (105)				
1.2uF (125)				