



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



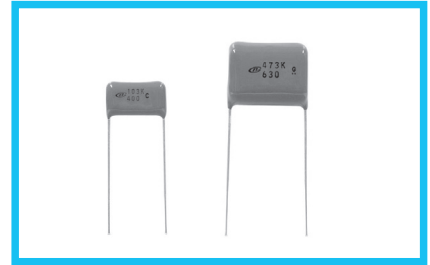
QXT

Metallized Polypropylene Film Capacitor

(For High Frequency and Large Current Applications)



- Ideal for high frequency applications due to a metallized polypropylene film dielectric which exhibits superior operative characteristics with minimal loss at high frequency.
- Electrode has minimal inductance because of non-inductive construction.
- Finished by inner dipping with liquid epoxy resin and outer coating with flame-retardant epoxy resin, those double coating gives superior characteristics against moisture.
- Compliant to the RoHS directive (2011/65/EU).



Applications

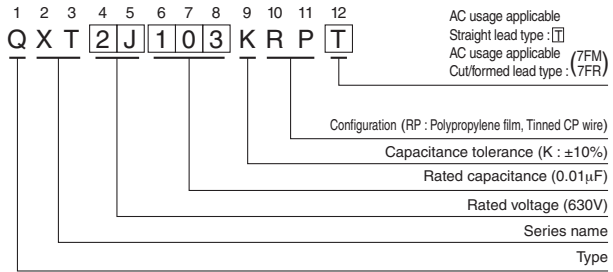
- High frequency & large current circuit applications (resonant circuit, charge & discharge circuit & etc.)

Specifications

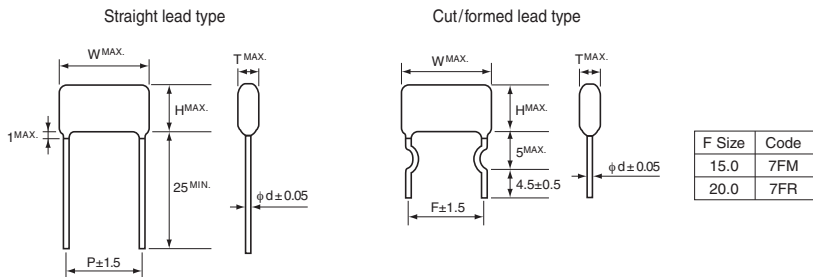
Item	Performance Characteristics
Category Temperature Range	-40 to +105°C (Rated temperature : 85°C)
Rated Voltage (U _R)	400, 630VDC
Rated Capacitance Range	0.0068 to 0.1μF
Capacitance Tolerance	±10% (K)
Directic Loss Tangent	0.1% or less (at 1kHz)
Insulation Resistance	C ≤ 0.33μF 30000 MΩ or more C > 0.33μF 10000 ΩF or more
Withstand Voltage	Between Terminals : Rated Voltage × 175%, 1 to 5 secs. Between Terminals : Rated Voltage × 200%, 1 to 5 secs.
Encapsulation	Flame retardant epoxy resin

Category voltage = U_R × 0.7

Type numbering system (Example : 630V 0.01μF)



Drawing



Maximum allowable voltage to high frequency range

Maximum allowable voltage differs by frequency and it is requested to refer the graphs shown in next page. Effective values for 200 kHz sine wave is indicated in the list below.

Dimensions

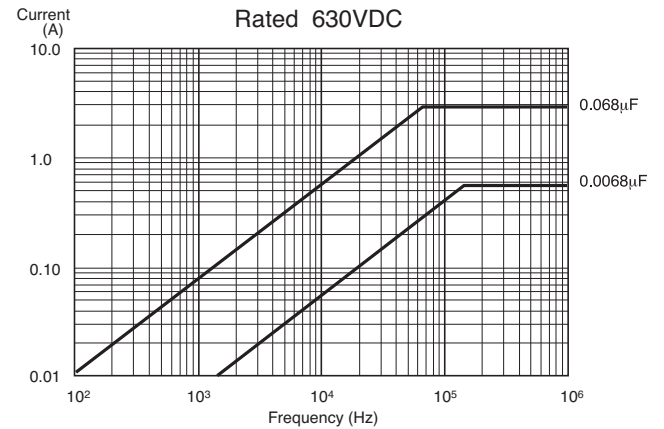
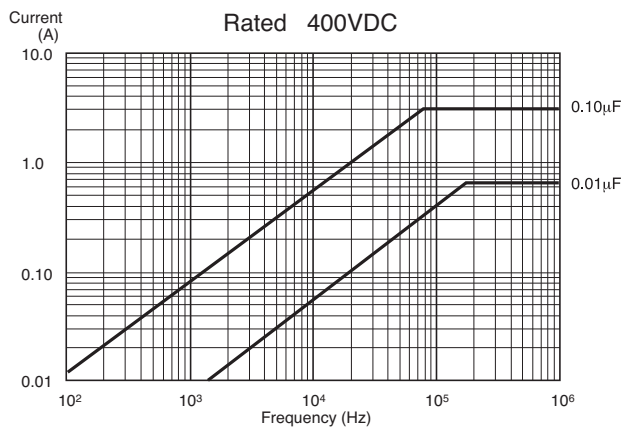
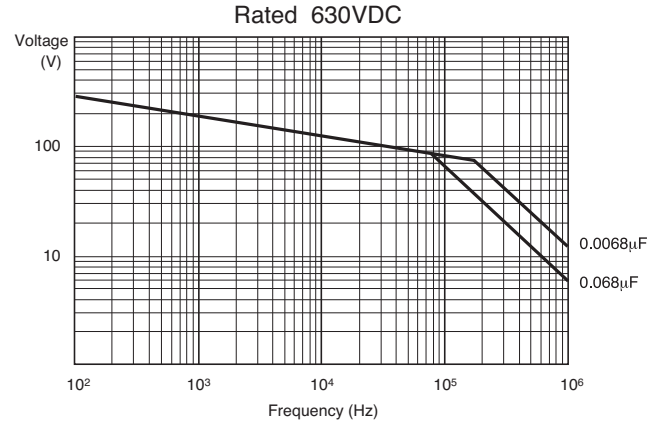
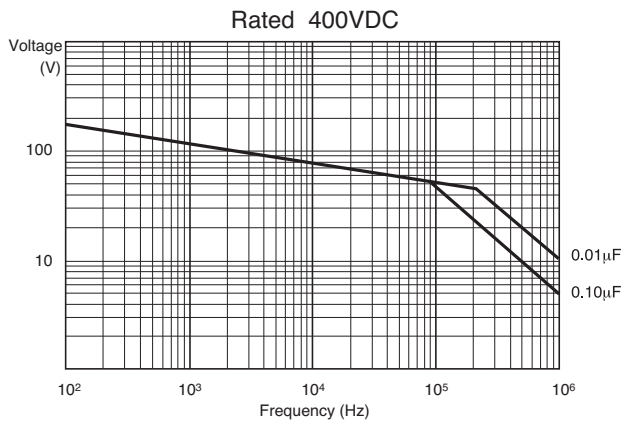
V (Code) (μF) Cap. Code Size		400VDC						Permissible Effective Value (200kHz)		630VDC						Permissible Effective Value (200kHz)	
		T	W	H	d	P	F	Ve(V)	Ie(A)	T	W	H	d	P	F	Ve(V)	Ie(A)
0.0068	682									6.0	19	13.5	0.8	15	15	66	0.57
0.01	103	5.4	19	12.9	0.8	15	15	52	0.66	6.8	19	14.3	0.8	15	15	58	0.74
0.015	153	6.1	19	13.6	0.8	15	15	45	0.85	7.9	19	15.4	0.8	15	15	51	0.87
0.022	223	7.0	19	14.5	0.8	15	15	39	1.10	9.3	19	16.8	0.8	15	15	45	1.26
0.033	333	8.2	19	15.7	0.8	15	15	35	1.46	9.0	24	18.8	0.8	20	20	41	1.71
0.047	473	9.6	19	17.1	0.8	15	15	31	1.86	10.5	24	20.3	0.8	20	20	38	2.29
0.068	683	7.8	24	17.7	0.8	20	20	27	2.38	12.5	24	22.3	0.8	20	20	34	2.94
0.1	104	9.3	24	19.1	0.8	20	20	24	3.10								

F : lead pitch for cut / formed lead wires.

Since rating other than the above can be manufactured, please ask for detail.

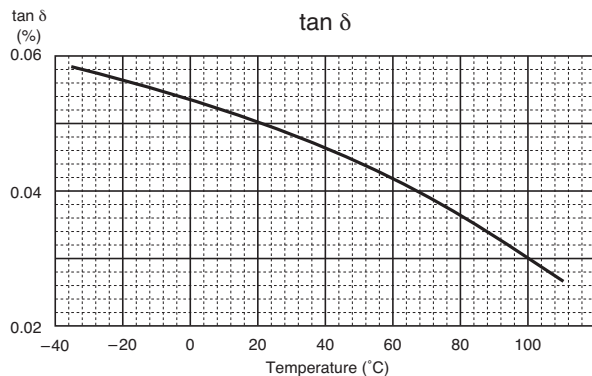
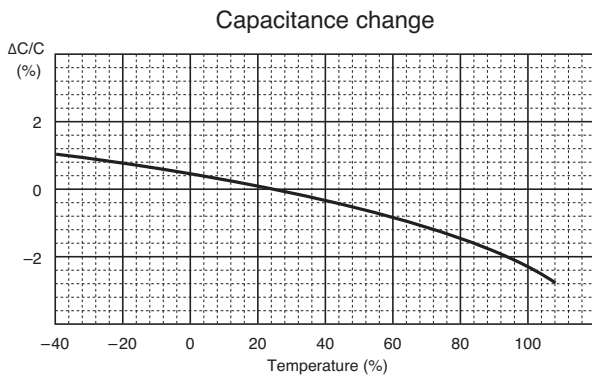
QXT

Maximum permissible voltage used at higher frequency range (Sine Wave)



Typical Characteristic Curves Remarks : Typical curves are as shown below. (Slightly different depending on individual rating.)

■ **Temperature Characteristics**



■ **Frequency Characteristics**

