

Metallized Polypropylene Film Capacitor

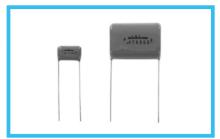
series (For High Frequency Applications)



- Ideal for high frequency applications due to a metallized polypropylene film dielectric which exhibits superior operative characteristics with minimal loss at high frequency.
- Self-healing electrode and non-inductive construction provide excellent characteristics in minimal inductance having better with standing voltage capability.
- 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 (2002/95/EC).

#### Application

• High frequency circuit, general electronic circuit and etc.

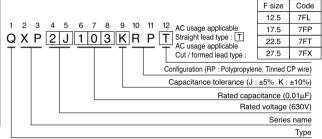


# Specifications

Item	Performance Characteristics									
Category Temperature Range	-40 to +105°C (Rated temperature : 85°C)									
Rated Voltage (UR)	250, 400, 630, 800VDC									
Rated Capacitance Range	0.01 to 3.3µF									
Capacitance Tolerance	±5% (J), ±10% (K)									
Dielectric Loss Tangent	0.1% or less (at 1kHz 20°C)									
Insulation Resistance	$C \le 0.33 \mu F$ : 30000 M $\Omega$ or more $C > 0.33 \mu F$ : 10000 $\Omega F$ or more									
Withstand Voltage	Between Terminals : Rated Voltage $\times$ 175%, 1 to 5 secs. Between Terminals and Coverage : Rated Voltage $\times$ 200%, 1 to 5 secs.									
Encapsulation	Flame retardant epoxy resin									

Category voltage =  $UR \times 0.7$ 

## Type numbering system (Example: 630V 0.01µF)



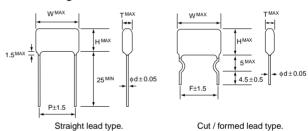
### AC Voltage

 AC voltage (Operating at 50 / 60Hz AC circuit) shall be as follows However, do not use this product for across-the-line applications.

DC Rated Voltage	250VDC	400VDC	630VDC	800VDC
AC Voltage	125VAC	160VAC	200VAC	250VAC

 When used in high frequency circuit, refer to Table 2 and 5 for the values of effective voltage, current and effective VA, shown in pages 351, 354.

# Drawing



#### Dimensions Unit: mm

	V (Code)	250VDC (2E)						400VDC (2G)						630VDC (2J)							800VDC (2K)						
Cap.(µF)	Size	Т	W	Н	d	Р	F	Т	W	Н	d	Р	F	Т	W	Н	d	Р	F	Т	W	Н	d	Р	F		
0.01	103													5.5	16.0	10.6	0.6	12.5	12.5	6.2	16.0	11.3	0.6	12.5	12.5		
0.015	153													6.1	16.0	11.1	0.6	12.5	12.5	7.0	16.0	12.1	0.6	12.5	12.5		
0.022	223							5.8	16.0	10.4	0.6	12.5	12.5	6.8	16.0	11.8	0.6	12.5	12.5	8.0	16.0	13.1	0.6	12.5	12.5		
0.033	333							6.5	16.0	11.6	0.6	12.5	12.5	7.5	16.0	12.2	0.6	12.5	12.5	7.1	21.0	12.8	0.6	17.5	17.5		
0.047	473	5.6	16.0	10.6	0.6	12.5	12.5	7.2	16.0	12.3	0.6	12.5	12.5	6.7	21.0	12.4	0.6	17.5	17.5	7.5	21.0	14.8	0.6	17.5	17.5		
0.068	683	6.1	16.0	11.2	0.6	12.5	12.5	8.2	16.0	13.3	0.6	12.5	12.5	7.1	21.0	14.4	0.6	17.5	17.5	8.7	21.0	15.9	0.6	17.5	17.5		
0.1	104	6.8	16.0	11.9	0.6	12.5	12.5	7.6	21.0	12.7	0.6	17.5	17.5	8.2	21.0	15.4	0.6	17.5	17.5	9.6	21.0	18.5	0.6	17.5	17.5		
0.15	154	7.7	16.0	12.8	0.6	12.5	12.5	8.6	21.0	14.3	0.6	17.5	17.5	9.6	21.0	16.9	0.6	17.5	17.5	9.6	26.5	19.0	0.8	22.5	22.5		
0.22	224	7.4	21.0	12.4	0.6	17.5	17.5	9.2	21.0	16.5	0.6	17.5	17.5	9.0	26.5	18.3	0.8	22.5	22.5	11.5	26.5	20.8	0.8	22.5	22.5		
0.33	334	8.5	21.0	13.6	0.6	17.5	17.5	11.1	21.0	18.3	0.6	17.5	17.5	10.7	26.5	20.1	0.8	22.5	22.5	12.1	31.5	21.5	0.8	27.5	27.5		
0.47	474	9.4	21.0	15.1	0.6	17.5	17.5	10.4	26.5	19.7	0.8	22.5	22.5	11.1	31.5	20.4	0.8	27.5	27.5	13.7	31.5	24.7	0.8	27.5	27.5		
0.68	684	10.3	21.0	17.5	0.6	17.5	17.5	12.3	26.5	21.6	0.8	22.5	22.5	13.2	31.5	22.5	0.8	27.5	27.5								
1.0	105	9.9	26.5	19.2	0.8	22.5	22.5	13.0	31.5	22.3	0.8	27.5	27.5														
1.5	155	11.8	26.5	21.2	0.8	22.5	22.5	14.9	31.5	25.9	0.8	27.5	27.5														
2.2	225	12.6	31.5	21.9	0.8	27.5	27.5																				
3.3	335	14.5	31.5	25.4	0.8	27.5	27.5																				

F: lead pitch for cut / formed lead wires

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

<sup>\*</sup>We can also custom-make.