

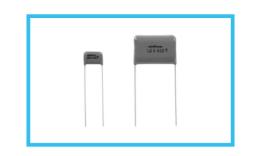
Metallized Polyester Film Capacitor

series (Extended Standard Type)

- Highly reliable and superior performance in high frequency applications, self-healing and non-inductive construction, using a dielectric made of polyethylene terephthalate film covered with vacuum-evaporated metal.
- Finished by inner dipping with liquid epoxy resin and outer coating with flame-retardant epoxy resin, those double coating provides excellent humidity resistance.
- Designed to be compact and to cover larger capacitance range having advantage of tolerating to A.C.voltage and large current flow.
- Designed 1mm max. of epoxy on lead wire for best performance at soldering process on P.C. board assemblies.
- Compliant to the RoHS directive (2011/65/EU).

Applications

- Filtering, DC-blocking, coupling and so on of general communications equipment and use in AC circuits for motor starting, charging / discharging, lighting, noise suppression and etc. Contact us for details for use in AC circuits.
- However, do not use this product for across-the-line applications.

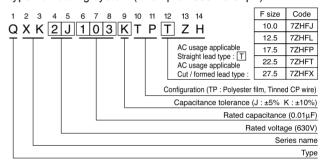


Specifications

Item	Performance Characteristics								
Category Temperature Range	-40 to +105°C (Rated temperature : 85°C)								
Rated Voltage (UR)	250, 400, 630VDC								
Rated Capacitance Range	0.01 to 3.3μF								
Rated Capacitance Tolerance	±5% (J), ±10% (K)								
Dielectric Loss Tangent	0.8% or less (at 1kHz 20°C)								
Insulation Resistance	$C \le 0.33 \mu F$: 9000 M Ω or more $C > 0.33 \mu F$: 3000 ΩF or more								
Withstand Voltage	$\label{eq:Between Terminals} Entire Enterprises Between Terminals and Coverage: Rated Voltage \times 200\%, 1 to 5 secs.$								
Encapsulation	Flame-retardant epoxy resin								

Category voltage = UR × 0.7

Type numbering system (Example: 630V 0.01µF)

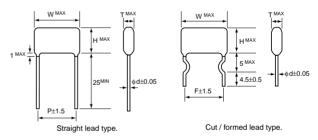


AC Voltage

 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 AC Voltage 125VAC 200VAC 250VAC

 When used in high frequency circuit, refer to Table 2 and 3 in pages 380, 383 for the values of effective voltage, current and effective VA.

Drawing



Dimensions

Differsions													nit : mm					
V(Code)	250VDC (2E)						400VDC (2G)						630VDC (2J)					
de Size	Т	W	Н	d	Р	F	Т	W	Н	d	Р	F	Т	W	Н	d	Р	F
103													4.8	15.5	9.4	0.6	12.5	12.5
153													5.5	15.5	10.0	0.6	12.5	12.5
223							4.9	13.5	9.5	0.6	10.5	10.0	6.3	15.5	10.8	0.6	12.5	12.5
333							5.6	13.5	10.2	0.6	10.5	10.0	7.1	15.5	12.3	0.6	12.5	12.5
473	4.7	13.5	9.3	0.6	10.5	10.0	5.5	15.5	10.1	0.6	12.5	12.5	6.2	20.5	11.5	0.6	17.5	17.5
683	4.7	13.5	9.3	0.6	10.5	10.0	6.3	15.5	10.9	0.6	12.5	12.5	6.7	20.5	13.5	0.6	17.5	17.5
104	5.3	13.5	9.9	0.6	10.5	10.0	7.3	15.5	11.9	0.6	12.5	12.5	7.8	20.5	14.6	0.6	17.5	17.5
154	5.5	15.5	10.1	0.6	12.5	12.5	6.6	20.5	11.8	0.6	17.5	17.5	8.0	26.0	15.3	0.8	22.5	22.5
224	6.3	15.5	10.9	0.6	12.5	12.5	7.7	20.5	12.9	0.6	17.5	17.5	8.9	26.0	17.6	0.8	22.5	22.5
334	7.4	15.5	12.0	0.6	12.5	12.5	8.6	20.5	15.3	0.6	17.5	17.5	10.9	26.0	19.8	0.8	22.5	22.5
474	6.7	20.5	11.9	0.6	17.5	17.5	10.1	20.5	16.9	0.6	17.5	17.5	11.3	31.0	20.2	0.8	27.5	27.5
684	7.2	20.5	14.0	0.6	17.5	17.5	9.5	26.0	18.4	0.8	22.5	22.5						
105	8.6	20.5	15.3	0.6	17.5	17.5	11.5	26.0	20.4	0.8	22.5	22.5						
155	8.3	26.0	17.1	0.8	22.5	22.5	12.3	31.0	21.1	0.8	27.5	27.5						
225	10.0	26.0	18.8	0.8	22.5	22.5												
335	10.7	31.0	19.6	0.8	27.5	27.5												
	V(Code) Size 103 153 223 333 473 683 104 154 224 334 474 684 105 155 225	V(Code) 103 153 223 333 473 4.7 683 4.7 104 5.3 154 5.5 224 6.3 334 7.4 474 6.7 684 7.2 105 8.6 155 8.3 225 10.0	V(Code) 103 153 223 333 473 4.7 13.5 683 4.7 13.5 104 5.3 15.5 154 5.5 154 5.5 15.5 224 6.3 15.5 334 7.4 15.5 474 6.7 20.5 684 7.2 20.5 105 8.6 20.5 155 8.3 26.0 225 10.0 26.0	V(Code) 250VD Ole Size T W H 103 153 223 333 9.3 683 4.7 13.5 9.3 10.1 9.9 15.5 10.1 15.5 10.0 15.5 10.9 334 7.4 15.5 12.0 474 6.7 20.5 11.9 684 7.2 20.5 14.0 105 8.6 20.5 15.3 155 8.3 26.0 17.1 225 10.0 26.0 18.8	V(Code) 250VDC (2E) Oce Size T W H d 103 153 223 333 683 4.7 13.5 9.3 0.6 104 5.3 13.5 9.9 0.6 154 5.5 15.5 10.1 0.6 224 6.3 15.5 10.9 0.6 334 7.4 15.5 12.0 0.6 474 6.7 20.5 11.9 0.6 684 7.2 20.5 14.0 0.6 105 8.6 20.5 15.3 0.6 155 8.3 26.0 17.1 0.8 225 10.0 26.0 18.8 0.8	V(Code) 250VDC (2E) 103 153 223 333 473 4.7 13.5 9.3 0.6 10.5 683 4.7 13.5 9.9 0.6 10.5 104 5.3 13.5 9.9 0.6 10.5 224 6.3 15.5 10.1 0.6 12.5 224 6.3 15.5 10.9 0.6 12.5 334 7.4 15.5 12.0 0.6 12.5 474 6.7 20.5 11.9 0.6 17.5 684 7.2 20.5 14.0 0.6 17.5 105 8.6 20.5 15.3 0.6 17.5 155 8.3 26.0 17.1 0.8 22.5 225 10.0 26.0 18.8 0.8 22.5	V(Code) 250VDC (2E) 103 153 223 333 473 4.7 13.5 9.3 0.6 10.5 10.0 683 4.7 13.5 9.9 0.6 10.5 10.0 154 5.5 15.5 10.1 0.6 12.5 12.5 224 6.3 15.5 10.9 0.6 12.5 12.5 334 7.4 15.5 12.0 0.6 12.5 12.5 474 6.7 20.5 11.9 0.6 17.5 17.5 684 7.2 20.5 14.0 0.6 17.5 17.5 105 8.6 20.5 15.3 0.6 17.5 17.5 155 8.3 26.0 17.1 0.8 22.5 22.5 225 10.0 26.0 18.8 0.8 22.5 22.5	V(Code) 250VDC (2E) 103 153 223 4.9 333 5.6 473 4.7 104 5.3 155 13.5 9.3 0.6 104 5.3 155 10.0 104 5.3 154 5.5 155 10.1 154 5.5 15.5 10.1 104 15.5 154 5.5 155 15.5 10.1 0.6 125 12.5 224 6.3 15.5 10.9 105 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 <th>V(Code) 250VDC (2E) Size T W H d P F T W 103 153 </th> <th>V(Code) 250VDC (2E) 400VD Ode Size T W H d P F T W H 103 153 4.9 13.5 9.5 4.9 13.5 9.5 333 5.6 13.5 10.2 10.0 5.6 13.5 10.2 473 4.7 13.5 9.3 0.6 10.5 10.0 5.5 15.5 10.1 683 4.7 13.5 9.9 0.6 10.5 10.0 6.3 15.5 10.9 104 5.3 13.5 9.9 0.6 10.5 10.0 7.3 15.5 11.9 154 5.5 15.5 10.1 0.6 12.5 12.5 6.6 20.5 11.8 224 6.3 15.5 10.9 0.6 12.5 12.5 7.7 20.5 12.9 334 7.4 15.5 12.0 0.6 12.5 12.5</th> <th>V(Code) 250VDC (2E) 400VDC (2G) 00e Size T W H d P F T W H d 103 IS IS</th> <th>V(Code) 250VDC (2E) 400VDC (2G) Oce Size T W H d P F T W H d P 103 Size T W H d P F T W H d P 103 Size Size</th> <th>V(Code) 250VDC (2E) 400VDC (2G) Size T W H d P F T W H d P F 103 </th> <th>V(Code) 250VDC (2E) 400VDC (2G) Size T W H d P F T W H d P F T 103 </th> <th>V(Code) Z50VDC (ZE) 400VDC (ZG) Size T W H d P F T W H d P F T W H d P F T W H d P F T W 103 4.8 15.5 153 4.9 13.5 9.5 0.6 10.5 10.0 6.3 15.5 223 4.9 13.5 9.5 0.6 10.5 10.0 6.3 15.5 333 5.6 13.5 10.2 0.6 10.5 10.0 7.1 15.5 473 4.7 13.5 9.3 0.6 10.5 10.0 5.5 15.5</th> <th>V(Code) Size T W H d P F T W H d P F T W H d P F T W H d P F T W H d P F T W H d P F T W H d P F T W H d P F T W H d P F T W H d P F T W H d P F T W H d P F T W H d P F T W H d P F T W H d P F T W H d D C 15.5 10.0 10.0 13.5 10.0 10.0 13.5 <</th> <th> V(Code) V(C</th> <th> V(Code) V(Co</th>	V(Code) 250VDC (2E) Size T W H d P F T W 103 153	V(Code) 250VDC (2E) 400VD Ode Size T W H d P F T W H 103 153 4.9 13.5 9.5 4.9 13.5 9.5 333 5.6 13.5 10.2 10.0 5.6 13.5 10.2 473 4.7 13.5 9.3 0.6 10.5 10.0 5.5 15.5 10.1 683 4.7 13.5 9.9 0.6 10.5 10.0 6.3 15.5 10.9 104 5.3 13.5 9.9 0.6 10.5 10.0 7.3 15.5 11.9 154 5.5 15.5 10.1 0.6 12.5 12.5 6.6 20.5 11.8 224 6.3 15.5 10.9 0.6 12.5 12.5 7.7 20.5 12.9 334 7.4 15.5 12.0 0.6 12.5 12.5	V(Code) 250VDC (2E) 400VDC (2G) 00e Size T W H d P F T W H d 103 IS IS	V(Code) 250VDC (2E) 400VDC (2G) Oce Size T W H d P F T W H d P 103 Size T W H d P F T W H d P 103 Size Size	V(Code) 250VDC (2E) 400VDC (2G) Size T W H d P F T W H d P F 103	V(Code) 250VDC (2E) 400VDC (2G) Size T W H d P F T W H d P F T 103	V(Code) Z50VDC (ZE) 400VDC (ZG) Size T W H d P F T W H d P F T W H d P F T W H d P F T W 103 4.8 15.5 153 4.9 13.5 9.5 0.6 10.5 10.0 6.3 15.5 223 4.9 13.5 9.5 0.6 10.5 10.0 6.3 15.5 333 5.6 13.5 10.2 0.6 10.5 10.0 7.1 15.5 473 4.7 13.5 9.3 0.6 10.5 10.0 5.5 15.5	V(Code) Size T W H d P F T W H d P F T W H d P F T W H d P F T W H d P F T W H d P F T W H d P F T W H d P F T W H d P F T W H d P F T W H d P F T W H d P F T W H d P F T W H d P F T W H d P F T W H d D C 15.5 10.0 10.0 13.5 10.0 10.0 13.5 <	V(Code) V(C	V(Code) V(Co

F: lead pitch for cut / formed lead wires