@ 225 K



Metallized Polyester Film Capacitor

series (Extended Standard Type)



- Highly reliable and superior performance in high frequency applications, self-healing and noninductive construction, using a dielectric made of polyethylene terephthalate film covered with vacuum-evaporated metal.
- Large capacitance in small dimensions.
- Finished by inner dipping with liquid epoxy resin and outer coating with flame-retardant epoxy resin, those double coating provides excellent humidity resistance.
- 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).



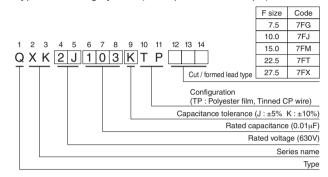
- General electronic and communications equipment. Contact us for details for use in AC circuits.
- However, do not use this product for across-the-line applications.

Specifications

Item	Performance Characteristics						
Category Temperature Range	-40 to +105°C (Rated temperature : 85°C)						
Rated Voltage (U _R)	250, 400, 630VDC						
Rated Capacitance Range	0.01 to 10μF						
Capacitance Tolerance	±5% (J)%, ±10% (K)						
Dielectric Loss Tangent	0.8% or less (at 1kHz 20°C)						
Insulation Resistance	$C \leqq 0.33 \mu \text{F}$: $9000 \ \text{M}\Omega$ or more	$C > 0.33 \mu F$: 3000 ΩF or more					
Withstand Voltage	Between Terminals Between Terminals and Coverage	: Rated Voltage × 175%, 1 to 5 secs. : Rated Voltage × 200%, 1 to 5 secs.					
Encapsulation	Flame retardant epoxy resin						

※ Except for 250VDC 0.01 to 0.15μF 400VDC 0.01 to 0.033μF Category voltage = $UR \times 0.7$

Type numbering system (Example: 630V 0.01µF)



AC Voltage

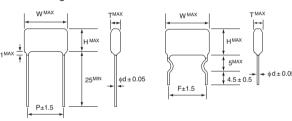
AC Voltage (Operating at 50 / 60Hz AC circuit)

shall be as follows. However, do not use this product for across-the-line applications.

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

^{*}When operating capacitors in the high frequency circuit, maximum permissible value (VAC) can be calculated from table 2, provided that the effective current (le) and the effective VA (Ve x Ve) shall not exceed the values specified in table 4.Shown in Pages 378. 381

Drawing



Straight lead type.

Cut / formed lead type.

	1//0-1-1																	01	nit : mm	
	V(Code)	250VDC (2E)						400VDC (2G)						630VDC (2J)						
Cod	Size	Т	W	Н	d	Р	F	Т	W	Н	d	Р	F	Т	W	Н	d	Р	F	
)1	103	4.4	11.0	8.1	0.6	7.5	7.5	4.4	11.0	8.1	0.6	7.5	7.5	4.4	13.5	9.5	0.6	10.0	10.0	
)15	153	5.0	11.0	8.7	0.6	7.5	7.5	5.0	11.0	8.7	0.6	7.5	7.5	4.7	13.5	9.8	0.6	10.0	10.0	
)22	223	4.4	11.0	8.5	0.6	7.5	7.5	4.3	11.0	8.4	0.6	7.5	7.5	5.1	13.5	10.8	0.6	10.0	10.0	
33	333	4.4	11.0	8.5	0.6	7.5	7.5	4.9	11.0	9.1	0.6	7.5	7.5	5.9	13.5	11.6	0.6	10.0	10.0	
)47	473	4.0	11.0	8.1	0.6	7.5	7.5	4.7	13.5	9.8	0.6	10.0	10.0	6.4	13.5	13.7	0.6	10.0	10.0	
)68	683	4.7	11.0	8.7	0.6	7.5	7.5	5.4	13.5	10.5	0.6	10.0	10.0	5.8	18.5	11.5	0.6	15.0	15.0	
	104	5.2	11.0	9.4	0.6	7.5	7.5	6.1	13.5	11.7	0.6	10.0	10.0	6.4	18.5	13.7	0.6	15.0	15.0	
5	154	6.1	11.0	10.3	0.6	7.5	7.5	5.1	18.5	12.4	0.6	15.0	15.0	7.1	18.5	15.9	0.6	15.0	15.0	
22	224	5.9	13.5	11.0	0.6	10.0	10.0	5.9	18.5	13.2	0.6	15.0	15.0	9.6	18.5	15.3	0.6	15.0	15.0	
33	334	6.7	13.5	12.4	0.6	10.0	10.0	7.6	18.5	13.3	0.6	15.0	15.0	7.9	25.5	16.7	0.8	22.5	22.5	
17	474	5.5	18.5	12.8	0.6	15.0	15.0	8.3	18.5	15.6	0.6	15.0	15.0	9.4	25.5	18.2	0.8	22.5	22.5	
8	684	6.0	18.5	14.8	0.6	15.0	15.0	7.2	25.5	16.1	0.8	22.5	22.5	11.3	25.5	20.1	0.8	22.5	22.5	
)	105	7.1	18.5	16.0	0.6	15.0	15.0	8.7	25.5	17.6	0.8	22.5	22.5	12.0	30.5	21.0	0.8	27.5	27.5	
5	155	9.9	18.5	15.6	0.6	15.0	15.0	9.4	30.5	18.5	0.8	27.5	27.5	14.8	30.5	23.8	0.8	27.5	27.5	
2	225	8.1	25.5	17.0	0.8	22.5	22.5	11.5	30.5	20.5	0.8	27.5	27.5	18.5	30.5	28.0	0.8	27.5	27.5	
3	335	10.0	25.5	18.8	0.8	22.5	22.5													
7	475	12.0	25.5	20.8	0.8	22.5	22.5													
3	685	12.7	30.5	21.8	0.8	27.5	27.5													
)	106	15.6	30.5	24.7	0.8	27.5	27.5													
	11	1 103 115 153 122 223 333 333 447 473 668 683 104 5 154 2 224 3 334 7 474 8 684 1 105 1 155 1 155 1 225 3 335 4 75 6 685	1 103 4.4 115 153 5.0 122 223 4.4 133 333 4.4 147 473 4.0 168 683 4.7 104 5.2 154 6.1 12 224 5.9 13 334 6.7 17 474 5.5 18 684 6.0 105 7.1 155 9.9 12 225 8.1 1335 10.0 1475 12.0	1 103 4.4 11.0 115 153 5.0 11.0 122 223 4.4 11.0 133 333 4.4 11.0 147 473 4.0 11.0 168 683 4.7 11.0 104 5.2 11.0 104 5.2 11.0 104 5.2 13.5 154 6.1 11.0 12 224 5.9 13.5 13 334 6.7 13.5 17 474 5.5 18.5 18 684 6.0 18.5 105 7.1 18.5 105 7.1 18.5 105 9.9 18.5 105 155 9.9 18.5 106 155 9.9 18.5 107 155 155 9.9 18.5 108 155 9.9 18.5 109 155 155 155 155 155 155 155 155 155 15	1 103 4.4 11.0 8.1 115 153 5.0 11.0 8.7 122 223 4.4 11.0 8.5 133 333 4.4 11.0 8.5 147 473 4.0 11.0 8.7 11.0 8.7 11.0 8.7 11.0 8.7 11.0 8.7 11.0 8.7 11.0 8.7 11.0 8.7 11.0 8.7 11.0 8.7 11.0 8.7 11.0 9.4 11.0 10.3 11.0 11.0	1 103 4.4 11.0 8.1 0.6 15 153 5.0 11.0 8.7 0.6 122 223 4.4 11.0 8.5 0.6 133 333 4.4 11.0 8.5 0.6 147 473 4.0 11.0 8.1 0.6 168 683 4.7 11.0 8.7 0.6 104 5.2 11.0 9.4 0.6 15 154 6.1 11.0 10.3 0.6 12 224 5.9 13.5 11.0 0.6 13 334 6.7 13.5 12.4 0.6 17 474 5.5 18.5 12.8 0.6 18 684 6.0 18.5 14.8 0.6 105 7.1 18.5 16.0 0.6 1155 9.9 18.5 15.6 0.6 1155 9.9 18.5 15.6 0.6 1155 9.9 18.5 15.6 0.6 1155 9.9 18.5 15.6 0.6 1155 9.9 18.5 15.6 0.6 1155 9.9 18.5 15.6 0.6 1155 9.9 18.5 15.6 0.6 1155 9.9 18.5 15.6 0.6 1155 9.9 18.5 15.6 0.6 1155 9.9 18.5 15.6 0.6 1155 9.9 18.5 15.6 0.6 1155 9.9 18.5 15.6 0.6 1155 9.9 18.5 15.6 0.6 1155 9.9 18.5 15.6 0.6 1155 9.9 18.5 15.6 0.6 1155 9.9 18.5 15.6 0.6 1155 9.9 18.5 15.6 0.6 1155 9.9 18.5 15.6 0.6	1 103 4.4 11.0 8.1 0.6 7.5 15 153 5.0 11.0 8.7 0.6 7.5 122 223 4.4 11.0 8.5 0.6 7.5 133 333 4.4 11.0 8.5 0.6 7.5 147 473 4.0 11.0 8.7 0.6 7.5 168 683 4.7 11.0 8.7 0.6 7.5 104 5.2 11.0 9.4 0.6 7.5 124 5.9 13.5 11.0 0.6 10.0 13 334 6.7 13.5 12.4 0.6 10.0 13 334 6.7 13.5 12.4 0.6 10.0 17 474 5.5 18.5 12.8 0.6 15.0 105 7.1 18.5 16.0 0.6 15.0 105 7.1 18.5 16.0 0.6 15.0 155 9.9 18.5 15.6 0.6 15.0 155 9.9 18.5 15.6 0.6 15.0 15.0 155 9.9 18.5 15.6 0.6 15.0 15.0 155 9.9 18.5 15.6 0.6 15.0 15.0 155 9.9 18.5 15.6 0.6 15.0 15.0 155 9.9 18.5 15.6 0.6 15.0 15.0 155 9.9 18.5 15.6 0.6 15.0 15.0 155 9.9 18.5 15.6 0.6 15.0 15.0 155 9.9 18.5 15.6 0.6 15.0 15.0 155 9.9 18.5 15.6 0.6 15.0 15.0 155 9.9 18.5 15.6 0.6 15.0 15.0 155 9.9 18.5 15.6 0.6 15.0 15.0 155 9.9 18.5 15.6 0.6 15.0 15.0 155 9.9 18.5 15.6 0.6 15.0 15.0 155 9.9 18.5 15.6 0.6 15.0 15.0 155 9.9 18.5 15.6 0.6 15.0 15.0 155 9.9 18.5 15.6 0.6 15.0 15.0 155 9.9 18.5 15.6 0.6 15.0 15.0 155 9.9 18.5 15.6 0.6 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0	1	1 1 03 4.4 11.0 8.1 0.6 7.5 7.5 4.4 15 153 5.0 11.0 8.7 0.6 7.5 7.5 5.0 122 223 4.4 11.0 8.5 0.6 7.5 7.5 4.3 133 333 4.4 11.0 8.5 0.6 7.5 7.5 4.9 147 473 4.0 11.0 8.1 0.6 7.5 7.5 4.7 168 683 4.7 11.0 8.7 0.6 7.5 7.5 5.4 104 5.2 11.0 9.4 0.6 7.5 7.5 5.1 12 224 5.9 13.5 11.0 0.6 7.5 7.5 5.1 12 224 5.9 13.5 11.0 0.6 10.0 10.0 5.9 13 334 6.7 13.5 12.4 0.6 10.0 10.0 7.6 17 474 5.5 18.5 12.8 0.6 15.0 15.0 8.3 18 684 6.0 18.5 14.8 0.6 15.0 15.0 8.3 15 155 9.9 18.5 15.6 0.6 15.0 15.0 8.7 15 155 9.9 18.5 15.6 0.6 15.0 15.0 8.7 15 155 9.9 18.5 15.6 0.6 15.0 15.0 9.4 16 155 9.9 18.5 15.6 0.6 15.0 15.0 9.4 17 155 9.9 18.5 15.6 0.6 15.0 15.0 9.4 18 225 8.1 25.5 17.0 0.8 22.5 22.5 11.5 18 335 10.0 25.5 18.8 0.8 22.5 22.5 11.5 18 685 12.7 30.5 21.8 0.8 27.5 27.5	1 103 4.4 11.0 8.1 0.6 7.5 7.5 4.4 11.0 115 153 5.0 11.0 8.5 0.6 7.5 7.5 4.3 11.0 110 110 110 110 110 110 110 110 11	1 103	1 103	1 103	1 103	1	1 03 4.4 11.0 8.1 0.6 7.5 7.5 4.4 11.0 8.1 0.6 7.5 7.5 4.4 13.5 153 5.0 11.0 8.7 0.6 7.5 7.5 4.3 11.0 8.4 0.6 7.5 7.5 5.1 13.5 147 473 4.0 11.0 8.7 0.6 7.5 7.5 7.5 4.4 13.5 10.6 68 683 4.7 11.0 8.7 0.6 7.5 7.5 7.5 5.4 13.5 10.5 10.4 5.2 11.0 9.4 0.6 7.5 7.5 5.4 13.5 11.7 0.6 10.0 10.0 6.4 18.5 11.4 6.1 11.0 10.3 0.6 7.5 7.5 5.1 18.5 12.4 0.6 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0	1	1 03 4.4 11.0 8.1 0.6 7.5 7.5 4.4 11.0 8.1 0.6 7.5 7.5 4.4 11.0 8.1 0.6 7.5 7.5 4.4 13.5 9.5 0.6 15 153 5.0 11.0 8.5 0.6 7.5 7.5 4.3 11.0 8.4 0.6 7.5 7.5 5.1 13.5 10.8 0.6 33 333 4.4 11.0 8.1 0.6 7.5 7.5 4.7 13.5 9.8 0.6 68 683 4.7 11.0 8.7 0.6 7.5 7.5 5.4 13.5 10.5 0.6 10.0 10.0 5.8 18.5 11.5 0.6 10.0 10.4 5.2 11.0 9.4 0.6 7.5 7.5 5.1 13.5 10.8 10.6 10.0 10.4 5.2 11.0 10.3 0.6 7.5 7.5 5.1 13.5 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10	1	

F: lead pitch for cut / formed lead wires

Please contact us and let us know the specification you need.