

WXP & WXPC Series

Part Numbering System

Metallized Polypropylene Film Capacitors

Example:

WXP - **103** **K** **L04** **02** **(51)**
(1) **(2)** **(3)** **(4)** **(5)** **(6)**

(1) Metallized Polypropylene Film Suppressors(X2)
WXP = WXP Series
WXPC = WXPC Series

(2) Capacitance
 Example: **103** = 0.010 μ F
 WXP Series available in 0.01-2.2 μ F
 WXPC Series available in 0.01-6.8 μ F

(3) Tolerance
K = $\pm 10\%$
M = $\pm 20\%$
J = $\pm 5\%$ (Only available for WXPC 2.2 - 6.8 μ F)

(4) Lead Lengths
Nil = 30mm min
L04 = 4 $\pm$ 1mm
L05 = 5 $\pm$ 1mm
L06 = 6 $\pm$ 1mm

(5) Lead Type
Nil = Solid uninsulated wire ϕ = 0.8mm diameter
02 = Solid cu wire, 0.8mm diameter, PCV insulated*
03 = Stranded cu wire, 0.5mm² PCV insulated*

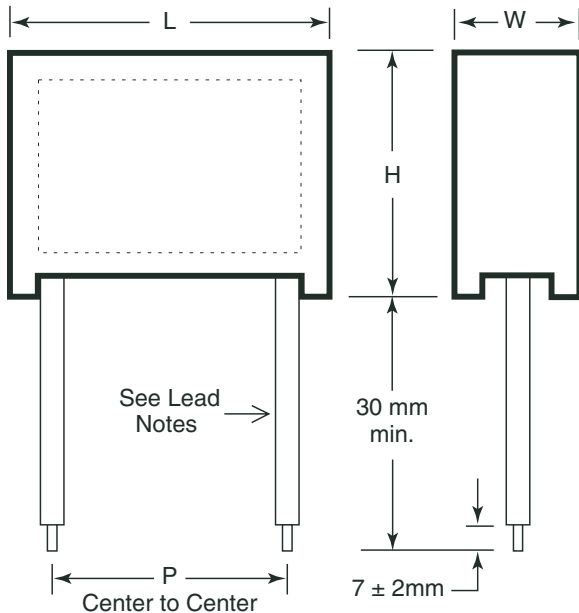
(6) Custom Lead Length suffix
 Example: **(45)** = 45mm lead length**

* All insulated leads have 7.0mm striped and tinned ends. These options are only available for types with 15mm or larger lead spacing (P).

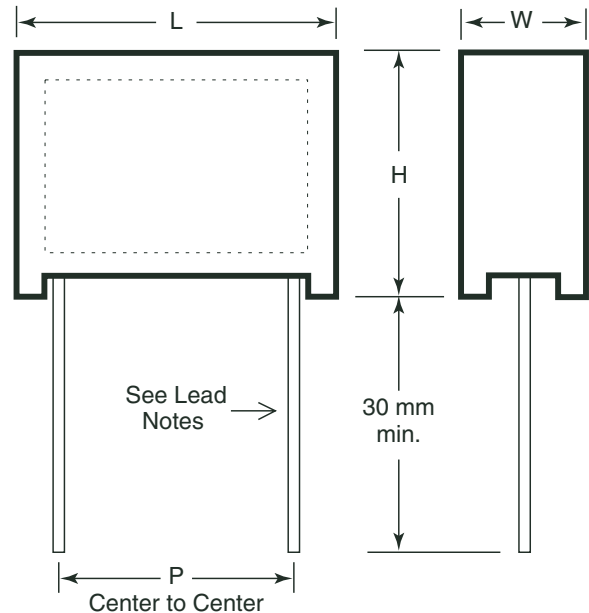
** If longer lead length other than standard 30mm min is required that lead length is noted after the appropriate suffix 02 or 03 for insulated leads (i.e.: for 45mm lead length 02(45), 03(45) or in the case of uninsulated leads (45).)

Insulated Leads Versions

Only WXP and WXPC



Uninsulated Leads Versions



WXP & WXPC Series (continued)**WXP Dimensions**

Part Number	L ± 0.3 mm	H ± 0.3 mm	W ± 0.3 mm	P mm	Quantity Per Box	
					Long Lead 30-35mm	Short Lead 4, 5, 6mm
WXP-103K	18.0	10.5	5.5	15.0±0.5	500	1300
WXP-153K	18.0	10.5	5.5	15.0±0.5	500	1300
WXP-223K	18.0	10.5	5.5	15.0±0.5	500	1300
WXP-333K	18.0	10.5	5.5	15.0±0.5	500	1300
WXP-473K	18.0	12.5	6.5	15.0±0.5	400	950
WXP-683K	18.0	13.5	7.5	15.0±0.5	400	750
WXP-104K	18.0	14.5	8.5	15.0±0.5	400	624
WXP-154K	26.5	15.5	7.5	22.5±0.5	200	498
WXP-224K	26.5	16.5	8.5	22.5±0.5	200	438
WXP-334K	26.5	18.5	10.5	22.5±0.5	150	330
WXP-474K	31.5	20.5	11.5	27.5±0.7	100	220
WXP-684K	31.5	23.5	13.5	27.5±0.7	100	150
WXP-105K	31.5	24.5	15.0	27.5±0.7	80	140
WXP-155K	41.5	28.5	16.0	37.5±0.7	40	80
WXP-225K	41.5	33.0	18.0	37.5±0.7	40	80

WXPC Dimensions

Part Number	L ± 0.3 mm	H ± 0.3 mm	W ± 0.3 mm	P mm	Quantity Per Box	
					Long Lead 30-35mm	Short Lead 4, 5, 6mm
WXPC-103K	13.0	10.5	4.5	10.0±0.5	1000	2200
WXPC-153K	13.0	10.5	4.5	10.0±0.5	1000	2200
WXPC-223K	13.0	10.5	5.5	10.0±0.5	1000	1800
WXPC-333K	13.0	12.5	5.5	10.0±0.5	800	1500
WXPC-473K	13.0	13.5	5.5	10.0±0.5	800	1400
WXPC-473K1	18.0	10.5	5.5	15.0±0.5	500	1300
WXPC-683M	18.0	10.5	5.5	15.0±0.5	500	1300
WXPC-104K	18.0	12.5	6.5	15.0±0.5	500	950
WXPC-154K	18.0	14.5	8.5	15.0±0.5	400	650
WXPC-224K	18.0	17.0	8.5	15.0±0.5	300	550
WXPC-224K1	26.5	15.5	7.5	22.5±0.7	200	498
WXPC-274K	26.5	15.5	7.5	22.5±0.7	200	498
WXPC-334K	26.5	16.5	8.5	22.5±0.7	200	438
WXPC-474K	26.5	18.5	10.5	22.5±0.7	150	330
WXPC-684K	31.5	20.5	11.5	27.5±0.7	100	220
WXPC-105K	31.5	23.5	13.5	27.5±0.7	100	150
WXPC-155M	31.5	24.5	15.0	27.5±0.7	80	140
	L ± 0.5 mm	H ± 0.5 mm	W ± 0.5 mm			
WXPC-225K	41.5	28.5	16.0	37.5±0.7	40	80
WXPC-335K	41.5	33.0	18.0	37.5±0.7	40	80
WXPC-475K	42.0	38.0	21.0	37.5±0.7	40	45
WXPC-685M	42.0	38.0	21.0	37.5±0.7	40	45

WXP & WXPC Series (continued)**WXP Specifications**

Part Number		Tolerance	dv/dt	Dissipation Factor (DF)	Insulation Resistance (IR)	Test Voltage for 1 second	Rated Voltage 50/60Hz to 440Hz	Typical Resonant Frequencies
	μF	%	v/μs	%	Note 4	VDC	VAC	fo - MHz
WXP-103K	0.010	±10	500	≤0.10% at 10kHz	≥30000MΩ	2150	300	13.0
WXP-153K	0.015	±10	500	≤0.10% at 10kHz	≥30000MΩ	2150	300	10.4
WXP-223K	0.022	±10	500	≤0.10% at 10kHz	≥30000MΩ	2150	300	8.5
WXP-333K	0.033	±10	500	≤0.10% at 10kHz	≥30000MΩ	2150	300	6.9
WXP-473K	0.047	±10	500	≤0.10% at 10kHz	≥30000MΩ	2150	300	6.0
WXP-683K	0.068	±10	500	≤0.10% at 10kHz	≥30000MΩ	2150	300	4.7
WXP-104K	0.100	±10	500	≤0.10% at 10kHz	≥30000MΩ	2150	300	4.0
WXP-154K	0.150	±10	300	≤0.50% at 10kHz	≥30000MΩ	2150	300	3.4
WXP-224K	0.220	±10	300	≤0.50% at 10kHz	≥30000MΩ	2150	300	2.7
WXP-334K	0.330	±10	300	≤0.50% at 10kHz	≥30000MΩ	2150	300	2.3
WXP-474K	0.470	±10	300	≤0.50% at 10kHz	≥10000ΩF	2150	300	1.9
WXP-684K	0.680	±10	300	≤0.50% at 10kHz	≥10000ΩF	2150	300	1.6
WXP-105K	1.00	±10	200	≤0.50% at 10kHz	≥10000ΩF	2150	300	1.3
WXP-155K	1.50	±10	200	≤0.10% at 1kHz	≥10000ΩF	2150	300	1.0
WXP-225K	2.20	±10	200	≤0.10% at 1kHz	≥10000ΩF	2150	300	0.85

1. All measurements are based on 5mm lead lengths at nominal C values.
2. Actual resonant frequencies will depend also on the total length of the circuit connections to the capacitor terminals and capacitor's actual C value.
3. Our factory tests each production lot for 100% to the test voltages listed above. After the test voltage has been applied, 100% of all production is tested for DF, IR and capacitance to insure all suppressors comply with electrical specifications.
4. Insulation Resistance (IR) is measured at 100VDC after 60 seconds at +25°C.
5. These specifications are for both ±10% and ±20% tolerance parts.

WXP & WXPC Series (continued)**WXPC Specifications**

Part Number		Tolerance	dv/dt	Dissipation Factor (DF)	Insulation Resistance(IR)	Test Voltage for 1 second	Rated Voltage 50/60Hz to 440Hz	Typical Resonant Frequencies
	μF	%	v/μs	%	Note 4	VDC	VAC	fo - MHz
WXPC-103K	0.010	±10	500	≤0.10% at 10kHz	≥30000MΩ	2150	275	13.0
WXPC-153K	0.015	±10	500	≤0.10% at 10kHz	≥30000MΩ	2150	275	10.4
WXPC-223K	0.022	±10	500	≤0.10% at 10kHz	≥30000MΩ	2150	275	8.5
WXPC-333K	0.033	±10	500	≤0.10% at 10kHz	≥30000MΩ	2150	275	6.9
WXPC-473K	0.047	±10	500	≤0.10% at 10kHz	≥30000MΩ	2150	275	6.9
WXPC-473K1	0.047	±10	500	≤0.10% at 10kHz	≥30000MΩ	2150	275	6.0
WXPC-683M	0.068	±20	500	≤0.10% at 10kHz	≥30000MΩ	2150	275	4.7
WXPC-104K	0.100	±10	500	≤0.10% at 10kHz	≥30000MΩ	2150	275	4.0
WXPC-154K	0.150	±10	300	≤0.50% at 10kHz	≥30000MΩ	2150	275	3.4
WXPC-224K	0.22	±10	300	≤0.50% at 10kHz	≥30000MΩ	2150	275	2.7
WXPC-224K1	0.22	±10	300	≤0.50% at 10kHz	≥30000MΩ	2150	275	2.7
WXPC-274K	0.27	±10	300	≤0.50% at 10kHz	≥30000MΩ	2150	275	2.5
WXPC-334K	0.33	±10	300	≤0.50% at 10kHz	≥30000MΩ	2150	275	2.3
WXPC-474K	0.47	±10	300	≤0.50% at 10kHz	≥10000ΩF	2150	275	1.9
WXPC-684K	0.68	±10	300	≤0.50% at 10kHz	≥10000ΩF	2150	275	1.6
WXPC-105K	1.0	±10	200	≤0.50% at 10kHz	≥10000ΩF	2150	275	1.3
WXPC-155M	1.5	±20	200	≤0.10% at 1kHz	≥10000ΩF	2150	275	1.0
WXPC-225K	2.2	±10	100	≤0.10% at 1kHz	≥10000ΩF	2150	300	0.85
WXPC-335K	3.3	±10	100	≤0.10% at 1kHz	≥10000ΩF	2150	300	-
WXPC-475K	4.7	±10	100	≤0.10% at 1kHz	≥10000ΩF	2150	300	-
WXPC-685M	6.8	±20	100	≤0.10% at 1kHz	≥10000ΩF	2150	300	-

1. All measurements are based on 5mm lead lengths at nominal C values.
2. Actual resonant frequencies will depend also on the total length of the circuit connections to the capacitor terminals and capacitor's actual C value.
3. Our factory tests each production lot for 100% to the test voltages listed above. After the test voltage has been applied, 100% of all production is tested for DF, IR and capacitance to insure all suppressors comply with electrical specifications.
4. Insulation Resistance (IR) is measured at 100VDC after 60 seconds at +25°C.
5. These specifications are for 0.01 - 1.5μF for ±10% and ±20% tolerance and 2.2 - 6.8μF for ±5%, ±10%, and ±20% tolerance parts.