

Film Capacitors

Vishay



FEATURES

- Surface mount, axial or radial leads available
- Volumetric efficiency
- Cost effective
- Qualified to QS 9000 and ISO 9001

PRODUCT DESCRIPTION	TYPE	CAPACITANCE RANGE (μF)	VOLTAGE (VDC)	TEMPERATURE RATING (°C)		TOL. (%)	DIMENSIONS (mm)		
				MIN.	MAX.		BODY LENGTH	BODY WIDTH	BODY HEIGHT
Polyester Film Chip Capacitor SMD	MKT 1824	0.01 - 1.0	40 - 63	-55	125	–	7.2	4.9 - 6.8	3.1 - 4.0
Polyester Capacitor Axial	MKT 1813	0.00047 - 22.0	63 - 1000	-55	100	20, 10, 5	11.0 - 41.5	5.0 - 21.0	–
	MKT 1816	0.001 - 0.01	8000 - 12000	-40	100	20 10	42	8.5 - 17.5	–
Polyester Capacitor Radial boxed Pitch 5.0mm	MKT 1817	0.001 - 1.0	63-400	-55	100	20, 10, 5	7.5	2.5 - 5.5	6.0 - 11.5
	MKT 1826	0.001 - 4.7	40-250	-55	125	20, 10, 5	7.2	2.5 - 7.2	6.5 - 13.0
	MKT 370	0.001 - 1.5	50-400	-55	105	10, 5	7.2	2.5 - 6.0	6.5 - 11.0
Polyester Capacitor Radial resin coated Pitch 5.0 - 7.5 mm	MKT 365/367	0.0033 - 1.0	63-400	-55	100	10, 5	7.3 - 10.5	3.7 - 6.0	7.5 - 15.5
Polyester Capacitor Radial boxed Pitch 7.5mm	MKT 1818	0.001 - 1.0	63 - 630	-55	100	20, 10, 5	10.0 - 10.3	2.5 - 5.7	7.5 - 11.5
	MKT 371	0.0039 - 1.0	63 - 400	-55	105	10, 5	10	2.5 - 5.0	6.5 - 10.5
Polyester Capacitor Radial boxed Pitch 10 - 27.5mm	MKT 1820	0.001 - 15.0	63 - 1000	-55	125	20, 10, 5	13.0 - 31.5	3.5 - 20.0	8.0 - 35.0
	MKT 1822	0.001 - 15.0	63 - 1000	-55	100	20, 10, 5	13.0 - 31.5	4.0 - 20.0	9.0 - 35.0
	MKT 372/373	0.0047 - 4.7	100 - 630	-55	105	10, 5	12.5 - 31.0	4.0 - 12.3	10.0 - 28.0
Polyester Capacitor Radial resin coated Pitch 10 - 27.5mm	MKT 303/304	0.01 - 10.0	250 - 630	-55	105	10, 5	12.5 - 30.0	4.0 - 20.2	8.7 - 20.2
	MKT 467/469	0.001 - 10.0	100 - 1000	-55	105	10, 5	12.5 - 30.0	4.0 - 15.0	13.0 - 28.0
Polycarbonate Capacitor Radial boxed Pitch 5 - 27.5mm	KC 1850	0.00022 - 0.01	63 - 160	-55	100	20,10, 5	7.2	2.5 - 3.5	6.5 - 8.5
	MKC 1858	0.047 - 0.033	63 - 100	-55	100	20,10, 5	7.5	2.5 - 5.0	6.0 - 10.0
	MKC 1862	0.01-10	63 - 400	-55	100	20,10, 5	13 - 31.5	4.0 - 11.5	9.0 - 29.5
Polycarbonate Capacitor Axial	MKC 1860	0.01 - 10	63 - 400	-55	100	10, 5	14.0 - 31.5	6.0 - 17.5	–



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				MIN.	MAX.		BODY LENGTH	BODY WIDTH	BODY HEIGHT
Polypropylene Capacitor Film Foil Axial	KP 460/464	47 pF - 0.062	63 - 630	-40	100	5, 2, 1	11.0 - 15.0	5.0 - 8.5	-
Polypropylene Capacitor Metallized Axial	MKP 1839	0.001 - 10	160 - 630	-55	100	10, 5, 2.5, 1	11 - 41.5	5.0 - 23.0	-
Polypropylene Capacitor Double Sided Metallized Axial	MKP1845	0.001 - 4.7	160 - 2000	-55	100	20, 10, 5	17.0 - 44.0	6.0 - 26.0	-
Polypropylene Capacitor Film Foil Radial Boxed Pitch 5.0mm	KP 1830	0.0001 - 0.033	63 - 630	-55	100	10, 5, 2.5, 1	7.2	4.5-9.0	6.0-10.0
Polypropylene Capacitor Metallized Radial boxed Pitch 5.0mm	MKP 1837	0.01 - 0.1	160	-55	100	10, 5, 2.5, 1	7,5	5.5 - 9.0	7.0 - 11.0
Polypropylene Capacitor Metallized Radial boxed Pitch 5 - 37.5mm	MKP 1840	0.0047 - 10	100 - 630	-55	100	20, 10, 5	7.5 - 42.5	3.5 - 20.0	8.5 - 40.0
Polypropylene Capacitor Metallized Radial Boxed Pitch 5 - 15mm	MKP 416/420	0.001 - 1.2	63 - 630	-55	85	5, 2	7.2 - 17.5	3.5 - 10.0	8.0 - 16.5
Polypropylene Capacitor Metallized Radial Resin Coated Pitch 10 - 27.5mm	MKP 479	0.01 - 3.9	160 - 630	-55	105	10, 5	12.5 - 30.0	6.0 - 15.0	15.0 - 31.0
Polypropylene Capacitor Double sided metallized, series connection Radial boxed Pitch 7.5 - 37.5mm	MKP 1841	0.0047 - 6.8	160 - 2000	-55	100	20,10, 5	10.0 - 42.5	3.0 - 20.0	8,5 - 40.0
	MKP 1841M	0.0047 - 4.7	250 - 2000	-55	100	20, 10, 5	10.0 - 41.5	3,5 - 18.0	9.0 - 33.0
Polypropylene Capacitor Double sided metallized series connection Radial boxed Pitch 10 - 27.5mm	MMKP 383	0.001 - 2.7	250 - 2500	-55	105	10, 5	17.5 - 31.0	5.0 - 18.0	11.0 - 28.0
Polypropylene Capacitor Double sided metallized, series connection Radial resin coated Pitch 10 - 27.5mm	MMKP 483	0.001 - 2.2	250 - 2000	-55	105	10, 5	18.0 - 31.0	6.0 - 15.5	15.0 - 31.5
Polypropylene Capacitor Film foil, series connection Radial boxed Pitch 15 - 37.5mm	KP 1836	0.0001 - 0.22	630 - 2000	-55	100	10, 5	18.0 - 41.5	5.5 - 20.0	10.5 - 40.0
Polypropylene Capacitor Film foil, series connection Radial resin coated Pitch 10 - 27.5mm	KP/MKP 375	0.0001 - 0.27	630 - 2500	-55	105	5, 3.5	14.5 - 30.0	5.0 - 13.5	13.0 - 29.5



FEATURES

- Fail safe construction for power line safety
- Ratio interference/suppression components
- Axial or radial leads
- Motor run styles available

PRODUCT DESCRIPTION	TYPE	CAPACITANCE RANGE (μF)	VOLTAGE (VAC)	TEMPERATURE RATING (°C)		TOL. (%)	DIMENSIONS (mm)		
				MIN.	MAX.		BODY LENGTH	BODY WIDTH	BODY HEIGHT
Class X 2 - RFI Polyester Film Axial	F1773-2	0.01 - 2.2	253	-40	+85/ +100	20, 10	19.0 - 41.5	6.0 - 21.5	
Class X 2 - RFI Polyester Film Radial boxed	F1772-2	0.01 - 2.2	275	-40	+100	20, 10	17.8 - 41.3	5.3 - 19.5	10.3 - 34.8
	F1772-3	0.01 - 2.2	300	-40	+100	20, 10	17.8 - 42.3	5.3 - 19.8	10.3 - 39.8
	F1772-4	0.01 - 1.0	440	-40	+100	20, 10	17.8 - 42.3	5.3 - 19.8	10.3 - 39.9
Class X 2 - RFI Polyester Film Radial boxed insulated wire	F1774-2	0.01 - 2.2	275	-40	+100	20, 10	17.8 - 41.3	5.3 - 19.5	10.3 - 34.8
	F1774-3	0.01 - 2.2	300	-40	+100	20, 10	17.8 - 42.3	5.3 - 19.8	10.3 - 39.8
	F1774-4	0.01 - 1.0	440	-40	+100	20, 10	17.8 - 42.3	5.3 - 19.8	10.3 - 39.9
Class X 2 - RFI Polypropylene Film Radial boxed	F1778-2	0.010 - 4.7	275	-40	+100	20, 10	12.8 - 41.3	3.8 - 17.8	8.8 - 32.3
	MKP 336-2	0.001 - 2.2	275	-55	+100	20, 10, 5	12.5 - 31.0	4.0 - 21.0	10.0 - 31.0
	MKP 338-2	0.001 - 3.3	275	-55	+105	20, 10, 5	10.0 - 31.0	4.0 - 21.0	9.0 - 31.0
	MKP 335-5	0.010 - 1.5	275	-55	+100	20, 10, 5	17.5 - 31.0	5.0 - 21.0	11.0 - 31.0
	MKP 339	0.001 - 4.7	275	-55	+105	20, 10	10.0 - 31.0	4.0 - 21.0	9.0 - 31.0
	MKP 338-4	0.010 - 10	300	-55	+105	20, 10	17.5 - 59.5	5.0 - 21.0	11.0 - 43.0
	F1778-3	0.010 - 4.7	305	-40	+100	20, 10	12.8 - 41.3	3.8 - 17.8	8.8 - 32.3
Class X 2 - RFI Polypropylene Film	F1779	0.01 - 2.2	275	-40	+100	20, 10	12.8 - 31.3	3.8 - 17.8	8.8 - 32.3
Class X 1 - RFI Polypropylene Film Radial boxed	MKP 336-1	0.001 - 1	275	-55	+100	20, 10, 5	12.5 - 31.0	5.0 - 21.0	10.0 - 31.0
	MKP 338-1	0.01 - 1	440	-55	+105	20, 10, 5	17.5 - 31.0	5.0 - 21.0	11.0 - 31.0
Class X 1 - RFI Polyester Film	F1722	0.01 - 0.47	440	-40	+100	20,10	17.8-41.3	5.3-16.0	10.3 - 29.3
Class X 1 - RFI Polyester Film Radial boxed insulated wire	F1724	0.01 - 0.47	440	-40	+100	20,10	17.8-41.3	5.3-16.0	10.3 - 29.3
Class X 1 - RFI Paper Cylindrical plastic case	F1740-15	0.0068 - 0.47	275	-40	+100	20	33-50.0	10-25	—
Class X 1 - RFI Ceramic disc	RX	0.0100 - 0.022	250 (X1)	-25	+85	-20/+80	5.0	16-20	—
	W1X	0.0047 - 0.022	275 (X1)	-40	+125	20	3.0	11-20	—



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				MIN.	MAX.		BODY LENGTH	BODY WIDTH	BODY HEIGHT
Class Y 2 - RFI Polyester Film Radial boxed	F1710-1	0.001 - 0.1	250	-40	+100	20, 10, 5	17.8 - 31.3	5.3 - 11.0	10.3 - 20.3
	F1710-3	0.001 - 0.1	305	-40	+105	20, 10, 5	12.8 - 31.3	3.8 - 11.0	8.8 - 20.3
Class Y 2 - RFI Polyester Film Radial boxed insulated wire	F1712-1	0.001 - 0.1	250	-40	+100	20	17.8 - 31.2	5.3 - 11.0	10.3 - 20.3
Class Y 2 - RFI Polypropylene Film Radial boxed	MKP 338-6	0.001 - 0.470	300	-55	+105	20, 10, 5	10.0 - 31.0	4.0 - 21.0	9.0 - 31.0
	MKP 336-6	0.001 - 0.047	250	-55	+100	20, 10, 5	12.5 - 17.5	4.0 - 10.0	10.0 - 16.5
Class X1 Y 2 - RFI Paper Cylindrical plastic case	F1740-35	0.022 - 0.47 + 2 x (2.7 nF - 27 nF)	275 250	-40	+100	20	27.0 - 50.0	12.0 - 25.0	-
	F1740-55	0.022 - 0.47 + 2 x (2.7 nF - 27 nF)	275 250	-40	+100	20	27.0 - 50.0	12.0 - 25.0	-
Class X1, Y1, Y2 Ceramic disc	WYO	1 nF - 12 nF	440 (X1) / 250 (Y2)	-40	+125	20	4.5	6.5 - 21.0	-
	VKO	1 nF - 4.7 nF	440 (X1) / 250 (Y2)	-40	+125	20, 10	4.0	8.0 - 13.0	-
	WKO	0.033 nF - 4.7 nF	440 (X1) / 250 (Y2)	-40	+125	20, 10	4.5	7.0 - 14.5	-
	VKP	0.470 nF - 4.7 nF	760 (X1) / 500 (Y1)	-40	+125	20, 10	5.0	8.0 - 17.0	-
	WKP	0.033 nF - 4.7 nF	760 (X1) / 500 (Y1)	-40	+125	20, 10	6.0	8.0 - 17.0	-
Motor-run Capacitors Polypropylene Film Axial	MKP 1842	0.01 - 0.68	400	-25	+85	20,10	19.0 - 41.5	7.0 - 23.5	
Motor-run Capacitors Polypropylene Film Radial boxed	MKP 1844	0.01 - 1.0	400	-40	+85	20,10	12.8 - 41.3	6.3 - 15.5	11.3 - 28.3
PRODUCT DESCRIPTION	TYPE	APPLICATION TYPE & VOL. (Vrms)		CAPACITANCE VALUE	TEMPERATURE COEFFICIENT	PEAK IMPULSE TEST VOLTAGE			
AC Line Rated Ceramic Capacitors 125Vrms - 600Vrms X and Y Type Applications UL; VDE; CSA	440L	X1-400V Y1-500V		10pF - 0.010µF	Y5U	8000			
	30LV	X1-400V Y2-300V		10pF - 0.015µF	Y5U	5000			
	30LVS	X1-400V Y2-250V		1000pF - 0.010µF	Y5U	5000			
	25Y	X1-400V Y2-250V		1000pF - 8000pF	Y5S	5000			
	125L	X1-400V Y4-125V		1000pF - 0.05µF	Y5V	2500			
	20VL	X2-400V		9000pF - 0.1µF	Y5V	-			