

**X2 CLASS (IEC 60384-14) - MKP Series
METALLIZED POLYPROPYLENE FILM CAPACITOR
SELF-HEALING PROPERTIES**

APPROVALS

Rated Cap.	275 Vac / 560 Vdc Std dimensions				Ø d	Max dv/dt at 390Vdc (V/µs)	Part Number			
	B	H	L	p						
0.033 µF	4.0	9.0	13.0	10.0	0.6	500	R46 KF	2330	-- P0	-
0.047 µF	4.0	9.0	13.0	10.0	0.6	500	R46 KF	2470	-- P0	-
0.068 µF	5.0	11.0	13.0	10.0	0.6	500	R46 KF	2680	-- P0	-
0.1 µF	5.0	11.0	13.0	10.0	0.6	500	R46 KF	3100	-- P1	M
0.1 µF	6.0	12.0	13.0	10.0	0.6	500	R46 KF	3100	-- P0	-
0.15 µF	6.0	12.0	13.0	10.0	0.6	500	R46 KF	3150	-- P0	M
0.15 µF	5.0	11.0	18.0	15.0	0.6	400	R46 KI	3150	-- P0	-
0.22 µF	6.0	12.0	18.0	15.0	0.6	400	R46 KI	3220	-- P0	-
0.33 µF	7.5	13.5	18.0	15.0	0.6	400	R46 KI	3330	-- P0	-
0.33 µF	9.0	12.5	18.0	15.0	0.6	400	R46 KI	3330	-- P1	M
0.33 µF	6.0	17.5	18.0	15.0	0.6	400	R46 KI	3330	-- P2	-
0.47 µF	8.5	14.5	18.0	15.0	0.6	400	R46 KI	3470	-- P0	-
0.47 µF	9.0	12.5	18.0	15.0	0.6	400	R46 KI	3470	-- P1	M
0.47 µF	6.0	17.5	18.0	15.0	0.6	400	R46 KI	3470	-- P2	M
0.47 µF	7.5	18.5	18.0	15.0	0.8	400	R46 KI	3470	-- P3	-
0.68 µF	10.0	16.0	18.0	15.0	0.8	400	R46 KI	3680	-- P1	M
0.68 µF	11.0	19.0	18.0	15.0	0.8	400	R46 KI	3680	-- P0	-
0.82 µF	11.0	19.0	18.0	15.0	0.8	400	R46 KI	3820	-- P0	M
0.47 µF	6.0	15.0	26.5	22.5	0.8	200	R46 KN	3470	-- P1	-
0.56 µF	6.0	15.0	26.5	22.5	0.8	200	R46 KN	3560	-- P1	M
0.56 µF	7.0	16.0	26.5	22.5	0.8	200	R46 KN	3560	-- P0	-
0.68 µF	7.0	16.0	26.5	22.5	0.8	200	R46 KN	3680	-- P0	-
1.0 µF	8.5	17.0	26.5	22.5	0.8	200	R46 KN	4100	-- P1	M
1.0 µF	10.0	18.5	26.5	22.5	0.8	200	R46 KN	4100	-- P0	-
1.5 µF	10.0	18.5	26.5	22.5	0.8	200	R46 KN	4150	-- P1	M
1.5 µF	11.0	20.0	26.5	22.5	0.8	200	R46 KN	4150	-- P0	-
2.2 µF	13.0	22.0	26.5	22.5	0.8	200	R46 KN	4220	-- P0	M
1.0 µF	9.0	17.0	32.0	27.5	0.8	150	R46 KR	4100	-- P0	-
1.5 µF	11.0	20.0	32.0	27.5	0.8	150	R46 KR	4150	-- P0	-
2.2 µF	13.0	22.0	32.0	27.5	0.8	150	R46 KR	4220	-- P0	-
3.3 µF	14.0	28.0	32.0	27.5	0.8	150	R46 KR	4330	-- P0	-
4.7 µF	14.0	28.0	32.0	27.5	0.8	150	R46 KR	4470	-- P1	M
4.7 µF	18.0	33.0	32.0	27.5	0.8	150	R46 KR	4470	-- P0	-
6.8 µF	22.0	37.0	32.0	27.5	0.8	150	R46 KR	4680	-- P0	-
2.2 µF	11.0	22.0	41.5	37.5	1.0	100	R46 KW	4220	-- P0	-
3.3 µF	13.0	24.0	41.5	37.5	1.0	100	R46 KW	4330	-- P0	-
4.7 µF	16.0	28.5	41.5	37.5	1.0	100	R46 KW	4470	-- P0	-
6.8 µF	19.0	32.0	41.5	37.5	1.0	100	R46 KW	4680	-- P0	-
10.0 µF	20.0	40.0	41.5	37.5	1.0	100	R46 KW	5100	-- P0	-

Rated voltage (K=275Vac)
Mechanical version and packaging (Table 1)
Tolerance: K (±10%); M (±20%)

	ENEC IEC 60384-14	Class X2	File No.V4413
	UL 1414 (up to 1µF, 85°C; 250Vac)	Across-the-line	File No.E97797
	CSA - C22.2 No.1 (up to 1µF, 85°C; 250Vac)	Across-the-line certified for Canada	File No.E97797
	UL 1283 (310 Vac)	Electromagnetic Interference Filters	File No.E85238
	CSA - C22.2 No.8 (310 Vac)	Electromagnetic Interference Filters certified for Canada	File No.E85238
		GB/T 14472	Class X2 File CQC03001008199 CQC03001008842

Approved according to IEC 60384-14
According to IEC 60065

Not for use in series with the mains.
See www.kemet.com for more information.

(**) ENEC mark has replaced all the following European
National marks:



Table 1

Standard packaging style	Lead length (mm)	Taping style			Ordering code (Digit 10 to 11)
		P ₂ (mm)	Fig. (No.)	Pitch (mm)	
AMMO-PACK		12.70	1	10.0/15.0	DQ
AMMO-PACK		19.05	2	22.5	DQ
REEL Ø500mm		12.70	1	10.0/15.0	CK
REEL Ø500mm		19.05	2	22.5/27.5	CK
Loose, short leads	4 ⁺²				00
Loose, long leads	25 ^{-1/+2}				50
Loose, long leads	30 ⁺⁵				40
Loose, insulated rigid leads	30 ⁺⁵				51
Loose, insulated flexible leads	150 ^{±5}				52

Note: Ammo-pack is the preferred packaging for taped version.

All dimensions are in mm

E12 Series available upon request

For "capacitor connected in serial with main line" (two - phase and three - phase net) application, please read the "SHORT GUIDE TO CHOOSE THE RIGHT FILM CAPACITORS" and contact our Technical Service for choosing the safest solution.