

CAPACITOR



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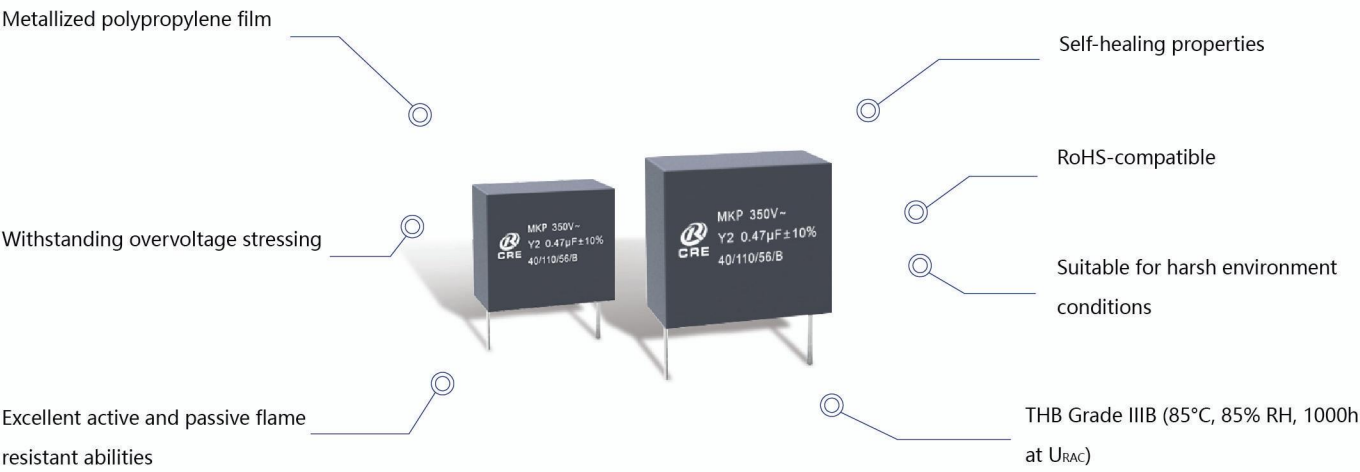
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MKP-Y2
EMC-filter

POWER LINKS SUCCESS

EMI Suppression Capacitors Y2 series



APPLICATIONS

- Y2 class for interference suppression
- Widely used in line to ground, line-by-pass, antenna coupling interference suppression circuit, etc

Technical data

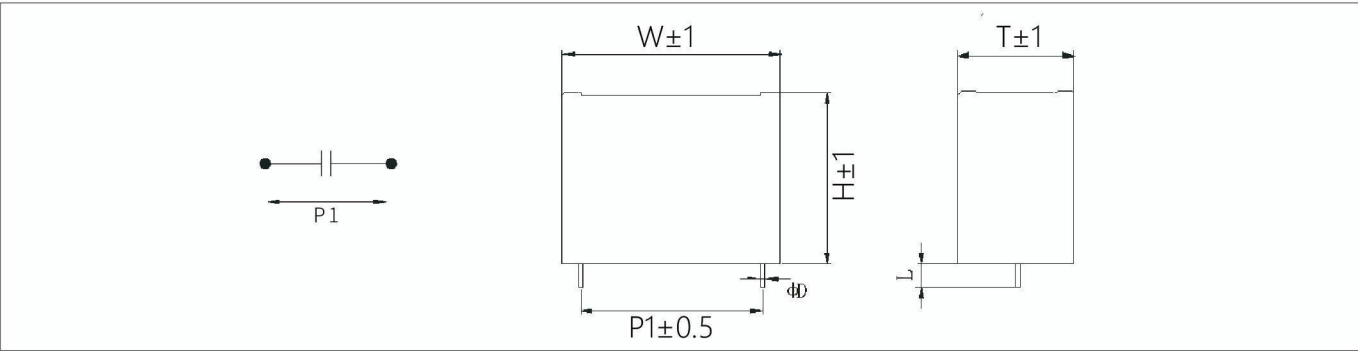
Climatic Category / Passive Flammability Category	40/110/56/B		
Operating temperature range	-40°C ~ +110°C		
Capacitance range	0.001~1.2μF		
Rated voltage	AC 350V,50~60Hz		
Maximum continuous DC voltage	DC 1000V		
Cap.tol	±10% ; ±20%		
Dissipation factor	1×10^{-3} at 1kHz ,20°C		
insulation resistance	V test(VDC) 1min	$C_N \leq 0.33\mu F$	$C_N > 0.33\mu F$
	100±15	$\geq 100G\Omega$	$\geq 30000s$
DC test voltage	$C_N \leq 0.33\mu F$		$C_N > 0.33\mu F$
	4000 V DC, 2 s		3700 V DC, 2 s
AC test voltage	2000 V AC, 2 s		



THE DV/DT TABLE

Dv/dt (V/μs)					
P=10mm	P=15mm	P=22.5mm	P=27.5mm	P=37.5mm	P=52.5mm
700	600	500	400	300	250

THE CONTOUR MAP



PART NUMBER SYSTEM

Type code	Capacitance	Rated Voltage(AC)	Tolerance	Pin	Lead Pitch P1 (mm)	Lead Pitch P2 (mm)	Lead Pitch P2 (mm)	Internal code
1~3	4~6	7~10	11	12	13	14	15	16~17
MKP	105= $10 \times 10^5 pF$ =1μF	0350=350VAC	J=±5% K=±10% M=±20%	2: 2Pin	2: P1=10 3: P1=15 4: P1=22.5 5: P1=27.5 6: P1=37.5 7: P1=52.5	0: 无	1: L=4 2: L=15	01

Specification table

$C_N(\mu F)$	W(mm)	T(mm)	H(mm)	$\phi D(mm)$	P1(mm)	Part number	$C_N(\mu F)$	W(mm)	T(mm)	H(mm)	$\phi D(mm)$	P1(mm)	Part number
0.0010	13	4	9	0.6	10	MKP1020350*220***	0.0068	13	5	11	0.6	10	MKP6820350*220***
0.0012	13	4	9	0.6	10	MKP1220350*220***	0.0068	13	6	12	0.6	10	MKP6820350*220***
0.0015	13	4	9	0.6	10	MKP1520350*220***	0.0068	13	9.5	7.5	0.6	10	MKP6820350*220***
0.0018	13	4	9	0.6	10	MKP1820350*220***	0.0082	13	6	12	0.6	10	MKP8220350*220***
0.0022	13	4	9	0.6	10	MKP2220350*220***	0.010	13	6	12	0.6	10	MKP1030350*220***
0.0027	13	4	9	0.6	10	MKP2720350*220***	0.015	13	6	12	0.6	10	MKP1530350*220***
0.0033	13	4	9	0.6	10	MKP3320350*220***	0.0022	17.5	5	9.5	0.6	15	MKP2220350*230***
0.0039	13	4	9	0.6	10	MKP3920350*220***	0.0027	17.5	5	9.5	0.6	15	MKP2720350*230***
0.0047	13	5	11	0.6	10	MKP4720350*220***	0.0033	17.5	5	9.5	0.6	15	MKP3320350*230***
0.0047	13	6	12	0.6	10	MKP4720350*220***	0.0039	17.5	5	9.5	0.6	15	MKP3920350*230***
0.0056	13	5	11	0.6	10	MKP5620350*220***	0.0047	17.5	5	9.5	0.6	15	MKP4720350*230***



EMI Suppression Capacitors Y2 series

Specification table

CN(μF)	W(mm)	T(mm)	H(mm)	φD(mm)	P1(mm)	Part number
0.0047	17.5	5	11	0.6	15	MKP4720350*230***
0.0056	17.5	5	9.5	0.6	15	MKP5620350*230***
0.0056	17.5	5	11	0.6	15	MKP5620350*230***
0.0068	17.5	5	9.5	0.6	15	MKP6820350*230***
0.0068	17.5	5	11	0.8	15	MKP6820350*230***
0.0082	17.5	5	9.5	0.6	15	MKP8220350*230***
0.0082	17.5	5	11	0.8	15	MKP8220350*230***
0.010	17.5	5	9.5	0.6	15	MKP1030350*230***
0.010	17.5	5	11	0.8	15	MKP1030350*230***
0.012	17.5	6	12	0.8	15	MKP1230350*230***
0.012	17.5	5	11	0.6	15	MKP1230350*230***
0.015	17.5	5	11	0.6	15	MKP1530350*230***
0.015	17.5	6	12	0.8	15	MKP1530350*230***
0.018	17.5	6	12	0.8	15	MKP1830350*230***
0.018	17.5	5	11	0.6	15	MKP1830350*230***
0.018	17.5	6	12	0.6	15	MKP1830350*230***
0.018	17.5	7.5	13.5	0.8	15	MKP1830350*230***
0.022	17.5	6	12	0.6	15	MKP2230350*230***
0.022	17.5	7.5	13.5	0.8	15	MKP2230350*230***
0.027	17.5	7.5	13.5	0.8	15	MKP2730350*230***
0.027	17.5	8.5	14.5	0.8	15	MKP2730350*230***
0.027	17.5	6	12	0.6	15	MKP2730350*230***
0.027	17.5	7	12	0.6	15	MKP2730350*230***
0.033	17.5	7.5	13.5	0.6	15	MKP3330350*230***
0.033	17.5	9	12.5	0.6	15	MKP3330350*230***
0.033	17.5	8.5	14.5	0.8	15	MKP3330350*230***
0.039	17.5	7.5	13.5	0.6	15	MKP3930350*230***
0.039	17.5	8.5	14.5	0.8	15	MKP3930350*230***
0.039	17.5	9	12.5	0.6	15	MKP3930350*230***
0.039	17.5	10	16	0.8	15	MKP3930350*230***
0.047	17.5	8.5	14.5	0.6	15	MKP4730350*230***
0.047	17.5	13	12	0.8	15	MKP4730350*230***
0.047	17.5	10	16	0.8	15	MKP4730350*230***
0.056	17.5	10	16	0.8	15	MKP5630350*230***
0.056	17.5	11	19	0.8	15	MKP5630350*230***
0.068	17.5	10	16	0.8	15	MKP6830350*230***
0.068	17.5	11	19	0.8	15	MKP6830350*230***
0.082	17.5	11	19	0.8	15	MKP8230350*230***
0.033	26.5	6	15	0.8	22.5	MKP3330350*240***
0.039	26.5	6	15	0.8	22.5	MKP3930350*240***
0.047	26.5	6	15	0.8	22.5	MKP4730350*240***
0.047	26.5	7	16	0.8	22.5	MKP4730350*240***
0.056	26.5	6	15	0.8	22.5	MKP5630350*240***
0.056	26.5	7	16	0.8	22.5	MKP5630350*240***
0.068	26.5	6	15	0.8	22.5	MKP6830350*240***
0.068	26.5	7	16	0.8	22.5	MKP6830350*240***

CN(μF)	W(mm)	T(mm)	H(mm)	φD(mm)	P1(mm)	Part number
0.068	26.5	8.5	17	0.8	22.5	MKP6830350*240***
0.082	26.5	7	16	0.8	22.5	MKP8230350*240***
0.082	26.5	8.5	17	0.8	22.5	MKP8230350*240***
0.082	26.5	10	18.5	0.8	22.5	MKP8230350*240***
0.10	26.5	8.5	17	0.8	22.5	MKP1040350*240***
0.10	26.5	10	18.5	0.8	22.5	MKP1040350*240***
0.12	26.5	8.5	17	0.8	22.5	MKP1240350*240***
0.12	26.5	10	18.5	0.8	22.5	MKP1240350*240***
0.12	26.5	11	20	0.8	22.5	MKP1240350*240***
0.15	26.5	10	18.5	0.8	22.5	MKP1540350*240***
0.15	26.5	11	20	0.8	22.5	MKP1540350*240***
0.15	26.5	12	22	0.8	22.5	MKP1540350*240***
0.18	26.5	11	20	0.8	22.5	MKP1840350*240***
0.18	26.5	12	22	0.8	22.5	MKP1840350*240***
0.18	26.5	13	24.5	0.8	22.5	MKP1840350*240***
0.18	26.5	14.5	29.5	0.8	22.5	MKP1840350*240***
0.22	26.5	12	22	0.8	22.5	MKP2240350*240***
0.22	26.5	14.5	29.5	0.8	22.5	MKP2240350*240***
0.22	26.5	15.5	24.5	0.8	22.5	MKP2240350*240***
0.27	26.5	13.5	23	0.8	22.5	MKP2740350*240***
0.27	26.5	14.5	29.5	0.8	22.5	MKP2740350*240***
0.33	26.5	15.5	24.5	0.8	22.5	MKP3340350*240***
0.33	26.5	14.5	29.5	0.8	22.5	MKP3340350*240***
0.33	26	20	30	0.8	22.5	MKP3340350*240***
0.39	26.5	14.5	29.5	0.8	22.5	MKP3940350*240***
0.39	26	20	30	0.8	22.5	MKP3940350*240***
0.10	32	9	18	0.8	27.5	MKP1040350*250***
0.12	32	9	18	0.8	27.5	MKP1240350*250***
0.15	32	9	18	0.8	27.5	MKP1540350*250***
0.15	32	18	12	0.8	27.5	MKP1540350*250***
0.15	32	11	20	0.8	27.5	MKP1540350*250***
0.18	32	11	20	0.8	27.5	MKP1840350*250***
0.18	32	11	20	0.8	27.5	MKP1840350*250***
0.22	32	11	20	0.8	27.5	MKP2240350*250***
0.22	32	13	22	0.8	27.5	MKP2240350*250***
0.22	32	18	12	0.8	27.5	MKP2240350*250***
0.22	32	22	12	0.8	27.5	MKP2240350*250***
0.27	32	11	20	0.8	27.5	MKP2740350*250***
0.27	32	14	24	0.8	27.5	MKP2740350*250***
0.27	32	15	24.5	0.8	27.5	MKP2740350*250***
0.27	32	13	22	0.8	27.5	MKP2740350*250***
0.27	32	14	28	0.8	27.5	MKP2740350*250***
0.33	32	14	28	0.8	27.5	MKP3340350*250***
0.33	32	13	22	0.8	27.5	MKP3340350*250***
0.33	32	13	25	0.8	27.5	MKP3340350*250***
0.33	32	15	24.5	0.8	27.5	MKP3340350*250***

Specification table

CN(μF)	W(mm)	T(mm)	H(mm)	φD(mm)	P1(mm)	Part number
0.33	32	16	30	0.8	27.5	MKP3340350*250***
0.33	32	18	28	0.8	27.5	MKP3340350*250***
0.33	32	21	15	0.8	27.5	MKP3340350*250***
0.39	32	15	24.5	0.8	27.5	MKP3940350*250***
0.39	32	14	28	0.8	27.5	MKP3940350*250***
0.39	32	16	30	0.8	27.5	MKP3940350*250***
0.39	32	18	28	0.8	27.5	MKP3940350*250***
0.39	32	18	33	0.8	27.5	MKP3940350*250***
0.47	32	15	24.5	0.8	27.5	MKP4740350*250***
0.47	32	14	28	0.8	27.5	MKP4740350*250***
0.47	32	16	30	0.8	27.5	MKP4740350*250***
0.47	32	17	28	0.8	27.5	MKP4740350*250***
0.47	32	27.5	16	0.8	27.5	MKP4740350*250***
0.47	32	18	33	0.8	27.5	MKP4740350*250***
0.56	32	16	30	0.8	27.5	MKP5640350*250***
0.56	32	17	28	0.8	27.5	MKP5640350*250***
0.56	32	18	33	0.8	27.5	MKP5640350*250***
0.68	32	19	29	0.8	27.5	MKP6840350*250***
0.68	32	21	30	0.8	27.5	MKP6840350*250***
0.68	32	22	37	0.8	27.5	MKP6840350*250***
0.68	32	18	33	0.8	27.5	MKP6840350*250***
0.68	32	31	18.5	0.8	27.5	MKP6840350*250***
0.82	32	31	18.5	0.8	27.5	MKP8240350*250***
0.82	32	18	33	0.8	27.5	MKP8240350*250***
0.82	32	22	37	0.8	27.5	MKP8240350*250***
1.0	32	22	37	0.8	27.5	MKP1050350*250***
0.33	41	11	22	1.0	37.5	MKP3340350*260***
0.33	41	13	24	1.0	37.5	MKP3340350*260***
0.39	41	13	24	1.0	37.5	MKP3940350*260***
0.39	41	11	22	1.0	37.5	MKP3940350*260***
0.39	41	13	24	1.0	37.5	MKP3940350*260***
0.47	41	13	24	1.0	37.5	MKP4740350*260***
0.47	42	24	15	1.0	37.5	MKP4740350*260***
0.47	41	15	26	1.0	37.5	MKP4740350*260***
0.56	41	15	26	1.0	37.5	MKP5640350*260***
0.56	42	14	28	1.0	37.5	MKP5640350*260***
0.56	41	16	30	1.0	37.5	MKP5640350*260***
0.68	41	15	26	1.0	37.5	MKP6840350*260***
0.68	42	14	28	1.0	37.5	MKP6840350*260***
0.68	41	16	30	1.0	37.5	MKP6840350*260***
0.68	42	17	28	1.0	37.5	MKP6840350*260***
0.68	42	19	32	1.0	37.5	MKP6840350*260***
0.68	42	24	19	1.0	37.5	MKP6840350*260***
0.68	41	16	30	1.0	37.5	MKP6840350*260***
0.82	41	16	30	1.0	37.5	MKP8240350*260***
0.82	41	18.5	33.5	1.0	37.5	MKP8240350*260***

CN(μF)	W(mm)	T(mm)	H(mm)	φD(mm)	P1(mm)	Part number
0.82	42	19	32	1.0	37.5	MKP8240350*260***
0.82	42	20	40	1.0	37.5	MKP8240350*260***
0.82	42	24	19	1.0	37.5	MKP8240350*260***
1.0	41	17	32	1.0	37.5	MKP1050350*260***
1.0	41	18.5	33.5	1.0	37.5	MKP1050350*260***
1.0	42	20	40	1.0	37.5	MKP1050350*260***
1.0	41	22	37	1.0	37.5	MKP1050350*260***
1.2	42	28	43	1.0	37.5	MKP1250350*260***

