HMKP21

Metallized Polypropylene Film Capacitor



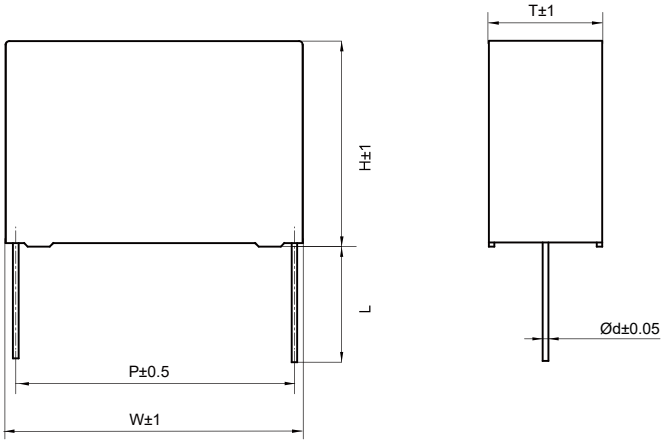
Features

- Metallized polypropylene film
- Low loss and small inherent temperature rise
- Plastic case, epoxy resin sealing (UL 94 V-0)
- Automotive(AEC-Q200) grade

Typical Applications

- Widely used in high-frequency medium-to-high current circuits, snubber circuits, commutation circuits for SCR, IGBTs and SiC (e.g. MOSFET), as well as timing circuits, oscillator circuits, high-frequency coupling and decoupling applications.

Outline Drawing



2Pins

Notes: All product dimensions are in mm.
See the Outline Dimensions table for details.

Specifications

Reference standards		IEC 60384-16,GB/T 10190						
Rated DC voltage	U_R	160	250	400	630	1000	1600	2000
Rated AC voltage		90	160	220	250	400	600	700
Capacitance range	C_N	0.00056μF~15μF						
Capacitance tolerance		±2%(G),±3%(H),±5%(J),±10%(K)						
Dissipation factor	tanδ	≤10×10^{-4}(1kHz,20℃)						
Insulation resistance (20℃,100V,1min)	IR	C_N≤0.33μF		≥100000MΩ				
		C_N>0.33μF		C_N≥30000s				
Climatic category		55/105/56						
Rated temperature	T_R	85℃						
Operating temperature range	T_{OP}	-55℃~+105℃(85℃~105℃：decreasing factor 1.25% per ℃ for UR)						
Voltage proof	U_{t-t}	1.6 U_R(d.c.),5s						
Pulse handling capability	U_R (d.c.)	dv/dt(V/μs)						
		P=7.5mm	P=10.0mm	P=15.0mm	P=22.5mm	P=27.5mm		
	160	310	190	110	65	55		
	250	660	560	310	130	110		
	400	900	780	600	300	130		
	630	1500	1200	900	400	200		
	1000	-	2200	2000	800	-		
	1600	-	-	4500	1800	-		
	2000	-	-	9500	4500	-		
	"dV/dt" represents the maximum permissible voltage change per unit of time for non-sinusoidal voltages, expressed in V/μs.							

Ordering Information

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
H	M	K	P	2	1	/	2	G	1	0	4	J	9	0	0	0	C	0	0	0

Series code

Rated voltage

2C=160Vd.c.
2E=250Vd.c.
2G=400Vd.c.
2J=630Vd.c.
3A=1000Vd.c.
3C=1600Vd.c.
3D=2000Vd.c

Rated capacitance

For example:
104=10×10^4pF
=0.1μF

Capacitance tolerance

J=±5%,
K=±10%

Pitch

3=7.5mm
4=10mm
6=15mm
9=22.5mm
B=27.5mm

Internal code

Lead form and packaging code

See table 1

Table 1: Lead Form and Packaging Code

Digit 18		Digit 19		Digit 20		Digit 21	
Code	Explanation	Code	Explanation	Code	Explanation	Code	Explanation
A	Ammo-pack[1)]	3	F=7.5mm	0	Straight	1	Taping lead space: P_3=12.7mm,H=18.0mm(Pitch=7.5mm)
		4	F=10mm				
		6	F=15mm			5	P_3=25.4mm,H=18.0mm (Pitch=10.0 or 15.0mm)
		7	F=22.5mm	1	Crimped		
		8	F=27.5mm			7	P_3=38mm,H=18.0mm (Pitch=22.5mm or 27.5mm)
C	Straight Lead (bulk)[2)]	00	Standard lead length(18mm ~ 28mm)			0	Standard lead length
		35	Lead length3.5mm[3)]				Lead length tolerance±0.5mm

Notes: 1) For more details on Ammo-pack, please refer to the Overview of the Universal Capacitors;
2) Other lead form and packaging options are available upon customer request;
3) If the lead length is 4.5 mm, the code is C450, etc.

Outline Dimensions

Unit: mm

160Vd.c. (90Va.c.)													
C_N(μF)	W	H	T	P	d	Ordering Information	C_N(μF)	W	H	T	P	d	Ordering Information
0.068	10.0	9.0	4.0	7.5	0.6	HMKP21/2C683+3000****	0.47	18.0	12.0	6.0	15.0	0.8	HMKP21/2C474+6000****
0.082	10.0	9.0	4.0	7.5	0.6	HMKP21/2C823+3000****	0.56	18.0	13.5	7.5	15.0	0.8	HMKP21/2C564+6000****
0.10	10.0	11.0	5.0	7.5	0.6	HMKP21/2C104+3000****	0.68	18.0	13.5	7.5	15.0	0.8	HMKP21/2C684+6000****
0.12	10.0	11.0	5.0	7.5	0.6	HMKP21/2C124+3000****	0.82	18.0	14.5	8.5	15.0	0.8	HMKP21/2C824+6000****
0.15	10.0	12.0	6.0	7.5	0.6	HMKP21/2C154+3000****	1.0	18.0	16.0	10.0	15.0	0.8	HMKP21/2C105+6000****
0.18	10.0	12.0	6.0	7.5	0.6	HMKP21/2C184+3000****	1.2	18.0	16.0	10.0	15.0	0.8	HMKP21/2C125+6000****
0.082	13.0	9.0	4.0	10.0	0.6	HMKP21/2C823+4000****	1.5	18.0	19.2	11.2	15.0	0.8	HMKP21/2C155+6000****
0.10	13.0	9.0	4.0	10.0	0.6	HMKP21/2C104+4000****	1.8	18.0	19.2	11.2	15.0	0.8	HMKP21/2C185+6000****
0.12	13.0	11.0	5.0	10.0	0.6	HMKP21/2C124+4000****	0.47	26.5	15.0	6.0	22.5	0.8	HMKP21/2C474+9000****
0.15	13.0	11.0	5.0	10.0	0.6	HMKP21/2C154+4000****	0.56	26.5	15.0	6.0	22.5	0.8	HMKP21/2C564+9000****
0.18	13.0	11.0	5.0	10.0	0.6	HMKP21/2C184+4000****	0.68	26.5	15.0	6.0	22.5	0.8	HMKP21/2C684+9000****
0.22	13.0	12.0	6.0	10.0	0.6	HMKP21/2C224+4000****	0.82	26.5	16.5	7.0	22.5	0.8	HMKP21/2C824+9000****
0.27	13.0	12.0	6.0	10.0	0.6	HMKP21/2C274+4000****	1.0	26.5	16.5	7.0	22.5	0.8	HMKP21/2C105+9000****
0.18	18.0	11.0	5.0	15.0	0.6	HMKP21/2C184+6000****	1.2	26.5	17.0	8.5	22.5	0.8	HMKP21/2C125+9000****
0.22	18.0	11.0	5.0	15.0	0.6	HMKP21/2C224+6000****	1.5	26.5	17.0	8.5	22.5	0.8	HMKP21/2C155+9000****
0.27	18.0	11.0	5.0	15.0	0.6	HMKP21/2C274+6000****	1.8	26.5	19.0	10.0	22.5	0.8	HMKP21/2C185+9000****
0.33	18.0	11.0	5.0	15.0	0.8	HMKP21/2C334+6000****	2.2	26.5	20.0	11.0	22.5	0.8	HMKP21/2C225+9000****
0.39	18.0	12.0	6.0	15.0	0.8	HMKP21/2C394+6000****	2.7	26.5	22.0	12.0	22.5	0.8	HMKP21/2C275+9000****

Notes: 1) "+" means capacitance tolerance,G=±2%,H=±3%,J=±5%,K=±10%;
2)"****" means lead form and packaging code (See table 1).

Outline Dimensions

Unit: mm

160Vd.c. (90Va.c.)													
CN(μF)	W	H	T	P	d	Ordering Information	CN(μF)	W	H	T	P	d	Ordering Information
3.3	26.5	22.0	12.0	22.5	0.8	HMKP21/2C335+9000****	3.9	32.0	22.0	13.0	27.5	0.8	HMKP21/2C395+B000****
1.0	32.0	18.0	9.0	27.5	0.8	HMKP21/2C105+B000****	4.7	32.0	28.0	14.0	27.5	0.8	HMKP21/2C475+B000****
1.2	32.0	18.0	9.0	27.5	0.8	HMKP21/2C125+B000****	5.6	32.0	24.5	15.0	27.5	0.8	HMKP21/2C565+B000****
1.5	32.0	18.0	9.0	27.5	0.8	HMKP21/2C155+B000****	6.8	32.0	33.0	18.0	27.5	0.8	HMKP21/2C685+B000****
1.8	32.0	18.0	9.0	27.5	0.8	HMKP21/2C185+B000****	8.2	32.0	33.0	18.0	27.5	0.8	HMKP21/2C825+B000****
2.2	32.0	18.0	9.0	27.5	0.8	HMKP21/2C225+B000****	10.0	32.0	33.0	18.0	27.5	0.8	HMKP21/2C106+B000****
2.7	32.0	20.0	11.0	27.5	0.8	HMKP21/2C275+B000****	12.0	32.0	37.0	22.0	27.5	0.8	HMKP21/2C126+B000****
3.3	32.0	20.0	11.0	27.5	0.8	HMKP21/2C335+B000****	15.0	32.0	37.0	22.0	27.5	0.8	HMKP21/2C156+B000****

250Vd.c. (160Va.c.)													
CN(μF)	W	H	T	P	d	Ordering Information	CN(μF)	W	H	T	P	d	Ordering Information
0.027	10.0	9.0	4.0	7.5	0.6	HMKP21/2E273+3000****	0.18	13.0	12.0	6.0	10.0	0.6	HMKP21/2E184+4000****
0.033	10.0	9.0	4.0	7.5	0.6	HMKP21/2E333+3000****	0.22	13.0	12.0	6.0	10.0	0.6	HMKP21/2E224+4000****
0.039	10.0	9.0	4.0	7.5	0.6	HMKP21/2E393+3000****	0.10	18.0	11.0	5.0	15.0	0.8	HMKP21/2E104+6000****
0.047	10.0	9.0	4.0	7.5	0.6	HMKP21/2E473+3000****	0.12	18.0	11.0	5.0	15.0	0.8	HMKP21/2E124+6000****
0.056	10.0	9.0	4.0	7.5	0.6	HMKP21/2E563+3000****	0.15	18.0	11.0	5.0	15.0	0.8	HMKP21/2E154+6000****
0.068	10.0	9.0	4.0	7.5	0.6	HMKP21/2E683+3000****	0.18	18.0	11.0	5.0	15.0	0.8	HMKP21/2E184+6000****
0.082	10.0	11.0	5.0	7.5	0.6	HMKP21/2E823+3000****	0.22	18.0	11.0	5.0	15.0	0.8	HMKP21/2E224+6000****
0.10	10.0	11.0	5.0	7.5	0.6	HMKP21/2E104+3000****	0.27	18.0	12.0	6.0	15.0	0.8	HMKP21/2E274+6000****
0.12	10.0	11.0	5.0	7.5	0.6	HMKP21/2E124+3000****	0.33	18.0	12.0	6.0	15.0	0.8	HMKP21/2E334+6000****
0.15	10.0	12.0	6.0	7.5	0.6	HMKP21/2E154+3000****	0.39	18.0	13.5	7.5	15.0	0.8	HMKP21/2E394+6000****
0.033	13.0	9.0	4.0	10.0	0.6	HMKP21/2E333+4000****	0.47	18.0	13.5	7.5	15.0	0.8	HMKP21/2E474+6000****
0.039	13.0	9.0	4.0	10.0	0.6	HMKP21/2E393+4000****	0.56	18.0	13.5	7.5	15.0	0.8	HMKP21/2E564+6000****
0.047	13.0	9.0	4.0	10.0	0.6	HMKP21/2E473+4000****	0.68	18.0	14.5	8.5	15.0	0.8	HMKP21/2E684+6000****
0.056	13.0	9.0	4.0	10.0	0.6	HMKP21/2E563+4000****	0.82	18.0	16.0	10.0	15.0	0.8	HMKP21/2E824+6000****
0.068	13.0	9.0	4.0	10.0	0.6	HMKP21/2E683+4000****	1.0	18.0	16.0	10.0	15.0	0.8	HMKP21/2E105+6000****
0.082	13.0	9.0	4.0	10.0	0.6	HMKP21/2E823+4000****	1.2	18.0	19.2	11.2	15.0	0.8	HMKP21/2E125+6000****
0.10	13.0	11.0	5.0	10.0	0.6	HMKP21/2E104+4000****	0.39	26.5	15.0	6.0	22.5	0.8	HMKP21/2E394+9000****
0.15	13.0	11.0	5.0	10.0	0.6	HMKP21/2E154+4000****	0.47	26.5	15.0	6.0	22.5	0.8	HMKP21/2E474+9000****

Notes: 1) "+" means capacitance tolerance,G=±2%,H=±3%,J=±5%,K=±10%;
2)"****" means lead form and packaging code (See table 1).

Outline Dimensions

Unit: mm

250Vd.c. (160Va.c.)													
CN(μF)	W	H	T	P	d	Ordering Information	CN(μF)	W	H	T	P	d	Ordering Information
0.56	26.5	15.0	6.0	22.5	0.8	HMKP21/2E564+9000****	2.2	32.0	18.0	9.0	27.5	0.8	HMKP21/2E225+B000****
0.68	26.5	15.0	6.0	22.5	0.8	HMKP21/2E684+9000****	2.7	32.0	20.0	11.0	27.5	0.8	HMKP21/2E275+B000****
0.82	26.5	15.0	6.0	22.5	0.8	HMKP21/2E824+9000****	3.3	32.0	20.0	11.0	27.5	0.8	HMKP21/2E335+B000****
1.0	26.5	16.5	7.0	22.5	0.8	HMKP21/2E105+9000****	3.9	32.0	22.0	13.0	27.5	0.8	HMKP21/2E395+B000****
1.5	26.0	17.0	8.0	22.5	0.8	HMKP21/2E154+9000****	4.7	32.0	28.0	14.0	27.5	0.8	HMKP21/2E475+B000****
1.8	26.0	19.0	10.0	22.5	0.8	HMKP21/2E184+9000****	5.6	32.0	24.5	15.0	27.5	0.8	HMKP21/2E565+B000****
2.2	26.0	20.0	11.0	22.5	0.8	HMKP21/2E224+9000****	6.8	32.0	33.0	18.0	27.5	0.8	HMKP21/2E685+B000****
2.7	26.0	22.0	12.0	22.5	0.8	HMKP21/2E274+9000****	8.2	32.0	33.0	18.0	27.5	0.8	HMKP21/2E825+B000****
0.82	32.0	18.0	9.0	27.5	0.8	HMKP21/2E824+B000****	10.0	32.0	33.0	18.0	27.5	0.8	HMKP21/2E106+B000****
1.0	32.0	18.0	9.0	27.5	0.8	HMKP21/2E105+B000****	12.0	32.0	37.0	22.0	27.5	0.8	HMKP21/2E126+B000****
1.2	32.0	18.0	9.0	27.5	0.8	HMKP21/2E125+B000****	15.0	32.0	37.0	22.0	27.5	0.8	HMKP21/2E156+B000****
1.8	32.0	18.0	9.0	27.5	0.8	HMKP21/2E185+B000****							

400Vd.c. (220Va.c.)													
CN(μF)	W	H	T	P	d	Ordering Information	CN(μF)	W	H	T	P	d	Ordering Information
0.010	10.0	9.0	4.0	7.5	0.6	HMKP21/2G103+3000****	0.027	13.0	9.0	4.0	10.0	0.6	HMKP21/2G273+4000****
0.012	10.0	9.0	4.0	7.5	0.6	HMKP21/2G123+3000****	0.033	13.0	9.0	4.0	10.0	0.6	HMKP21/2G333+4000****
0.015	10.0	9.0	4.0	7.5	0.6	HMKP21/2G153+3000****	0.039	13.0	9.0	4.0	10.0	0.6	HMKP21/2G393+4000****
0.018	10.0	9.0	4.0	7.5	0.6	HMKP21/2G183+3000****	0.047	13.0	11.0	5.0	10.0	0.6	HMKP21/2G473+4000****
0.022	10.0	9.0	4.0	7.5	0.6	HMKP21/2G223+3000****	0.056	13.0	11.0	5.0	10.0	0.6	HMKP21/2G563+4000****
0.027	10.0	9.0	4.0	7.5	0.6	HMKP21/2G273+3000****	0.068	13.0	11.0	5.0	10.0	0.6	HMKP21/2G683+4000****
0.033	10.0	11.0	5.0	7.5	0.6	HMKP21/2G333+3000****	0.082	13.0	12.0	6.0	10.0	0.6	HMKP21/2G823+4000****
0.039	10.0	11.0	5.0	7.5	0.6	HMKP21/2G393+3000****	0.100	13.0	12.0	6.0	10.0	0.6	HMKP21/2G104+4000****
0.047	10.0	11.0	5.0	7.5	0.6	HMKP21/2G473+3000****	0.068	18.0	11.0	5.0	15.0	0.8	HMKP21/2G683+6000****
0.056	10.0	12.0	6.0	7.5	0.6	HMKP21/2G563+3000****	0.082	18.0	11.0	5.0	15.0	0.8	HMKP21/2G823+6000****
0.068	10.0	12.0	6.0	7.5	0.6	HMKP21/2G683+3000****	0.10	18.0	11.0	5.0	15.0	0.8	HMKP21/2G104+6000****
0.015	13.0	9.0	4.0	10.0	0.6	HMKP21/2G153+4000****	0.12	18.0	11.0	5.0	15.0	0.8	HMKP21/2G124+6000****
0.018	13.0	9.0	4.0	10.0	0.6	HMKP21/2G183+4000****	0.15	18.0	12.0	6.0	15.0	0.8	HMKP21/2G154+6000****
0.022	13.0	9.0	4.0	10.0	0.6	HMKP21/2G223+4000****	0.18	18.0	12.0	6.0	15.0	0.8	HMKP21/2G184+6000****

Notes: 1) "+" means capacitance tolerance,G=±2%,H=±3%,J=±5%,K=±10%;
2)"****" means lead form and packaging code (See table 1).

Outline Dimensions

Unit: mm

400Vd.c. (220Va.c.)													
C_N(μF)	W	H	T	P	d	Ordering Information	C_N(μF)	W	H	T	P	d	Ordering Information
0.22	18.0	13.0	7.0	15.0	0.8	HMKP21/2G224+6000****	1.0	26.5	20.0	11.0	22.5	0.8	HMKP21/2G105+9000****
0.27	18.0	13.0	7.0	15.0	0.8	HMKP21/2G274+6000****	1.2	26.5	22.0	12.0	22.5	0.8	HMKP21/2G125+9000****
0.33	18.0	14.5	8.5	15.0	0.8	HMKP21/2G334+6000****	1.5	26.5	22.0	12.0	22.5	0.8	HMKP21/2G155+9000****
0.39	18.0	16.0	10.0	15.0	0.8	HMKP21/2G394+6000****	0.56	32.0	18.0	9.0	27.5	0.8	HMKP21/2G564+B000****
0.47	18.0	16.0	10.0	15.0	0.8	HMKP21/2G474+6000****	0.68	32.0	18.0	9.0	27.5	0.8	HMKP21/2G684+B000****
0.56	18.0	19.0	11.0	15.0	0.8	HMKP21/2G564+6000****	0.82	32.0	18.0	9.0	27.5	0.8	HMKP21/2G824+B000****
0.68	18.0	19.2	11.2	15.0	0.8	HMKP21/2G684+6000****	1.0	32.0	18.0	9.0	27.5	0.8	HMKP21/2G105+B000****
0.18	26.5	15.0	6.0	22.5	0.8	HMKP21/2G184+9000****	1.2	32.0	20.0	11.0	27.5	0.8	HMKP21/2G125+B000****
0.22	26.5	15.0	6.0	22.5	0.8	HMKP21/2G224+9000****	1.5	32.0	20.0	11.0	27.5	0.8	HMKP21/2G155+B000****
0.27	26.5	15.0	6.0	22.5	0.8	HMKP21/2G274+9000****	1.8	32.0	22.0	13.0	27.5	0.8	HMKP21/2G185+B000****
0.33	26.5	15.0	6.0	22.5	0.8	HMKP21/2G334+9000****	2.2	32.0	24.5	15.0	27.5	0.8	HMKP21/2G225+B000****
0.39	26.5	16.5	7.0	22.5	0.8	HMKP21/2G394+9000****	2.7	32.0	28.0	14.0	27.5	0.8	HMKP21/2G275+B000****
0.47	26.5	16.5	7.0	22.5	0.8	HMKP21/2G474+9000****	3.3	32.0	33.0	18.0	27.5	0.8	HMKP21/2G335+B000****
0.56	26.5	17.0	8.0	22.5	0.8	HMKP21/2G564+9000****	3.9	32.0	33.0	18.0	27.5	0.8	HMKP21/2G395+B000****
0.68	26.5	17.0	8.0	22.5	0.8	HMKP21/2G684+9000****	4.7	32.0	37.0	22.0	27.5	0.8	HMKP21/2G475+B000****
0.82	26.5	19.0	10.0	22.5	0.8	HMKP21/2G824+9000****	5.6	32.0	37.0	22.0	27.5	0.8	HMKP21/2G565+B000****

630Vd.c. (250Va.c.)													
C_N(μF)	W	H	T	P	d	Ordering Information	C_N(μF)	W	H	T	P	d	Ordering Information
0.001	10.0	9.0	4.0	7.5	0.6	HMKP21/2J102+3000****	0.0068	10.0	9.0	4.0	7.5	0.6	HMKP21/2J682+3000****
0.0012	10.0	9.0	4.0	7.5	0.6	HMKP21/2J122+3000****	0.0082	10.0	9.0	4.0	7.5	0.6	HMKP21/2J822+3000****
0.0015	10.0	9.0	4.0	7.5	0.6	HMKP21/2J152+3000****	0.010	10.0	9.0	4.0	7.5	0.6	HMKP21/2J103+3000****
0.0018	10.0	9.0	4.0	7.5	0.6	HMKP21/2J182+3000****	0.018	10.0	11.0	5.0	7.5	0.6	HMKP21/2J183+3000****
0.0022	10.0	9.0	4.0	7.5	0.6	HMKP21/2J222+3000****	0.022	10.0	11.0	5.0	7.5	0.6	HMKP21/2J223+3000****
0.0027	10.0	9.0	4.0	7.5	0.6	HMKP21/2J272+3000****	0.027	10.0	12.0	6.0	7.5	0.6	HMKP21/2J273+3000****
0.0033	10.0	9.0	4.0	7.5	0.6	HMKP21/2J332+3000****	0.001	13.0	9.0	4.0	10.0	0.6	HMKP21/2J102+4000****
0.0039	10.0	9.0	4.0	7.5	0.6	HMKP21/2J392+3000****	0.0012	13.0	9.0	4.0	10.0	0.6	HMKP21/2J122+4000****
0.0047	10.0	9.0	4.0	7.5	0.6	HMKP21/2J472+3000****	0.0015	13.0	9.0	4.0	10.0	0.6	HMKP21/2J152+4000****
0.0056	10.0	9.0	4.0	7.5	0.6	HMKP21/2J562+3000****	0.0018	13.0	9.0	4.0	10.0	0.6	HMKP21/2J182+4000****

Notes: 1) "+" means capacitance tolerance,G=±2%,H=±3%,J=±5%,K=±10%;
2)"****" means lead form and packaging code (See table 1).

Outline Dimensions

Unit: mm

630Vd.c. (250Va.c.)													
C_N(μF)	W	H	T	P	d	Ordering Information	C_N(μF)	W	H	T	P	d	Ordering Information
0.0022	13.0	9.0	4.0	10.0	0.6	HMKP21/2J222+4000****	0.18	18.0	14.5	8.5	15.0	0.8	HMKP21/2J184+6000****
0.0027	13.0	9.0	4.0	10.0	0.6	HMKP21/2J272+4000****	0.22	18.0	16.0	10.0	15.0	0.8	HMKP21/2J224+6000****
0.0033	13.0	9.0	4.0	10.0	0.6	HMKP21/2J332+4000****	0.27	18.0	19.2	11.2	15.0	0.8	HMKP21/2J274+6000****
0.0039	13.0	9.0	4.0	10.0	0.6	HMKP21/2J392+4000****	0.10	26.5	15.0	6.0	22.5	0.8	HMKP21/2J104+9000****
0.0047	13.0	9.0	4.0	10.0	0.6	HMKP21/2J472+4000****	0.12	26.5	15.0	6.0	22.5	0.8	HMKP21/2J124+9000****
0.0056	13.0	9.0	4.0	10.0	0.6	HMKP21/2J562+4000****	0.15	26.5	15.0	6.0	22.5	0.8	HMKP21/2J154+9000****
0.0068	13.0	9.0	4.0	10.0	0.6	HMKP21/2J682+4000****	0.22	26.5	16.5	7.0	22.5	0.8	HMKP21/2J224+9000****
0.0082	13.0	9.0	4.0	10.0	0.6	HMKP21/2J822+4000****	0.27	26.5	17.0	8.5	22.5	0.8	HMKP21/2J274+9000****
0.010	13.0	9.0	4.0	10.0	0.6	HMKP21/2J103+4000****	0.33	26.5	17.0	8.5	22.5	0.8	HMKP21/2J334+9000****
0.012	13.0	9.0	4.0	10.0	0.6	HMKP21/2J123+4000****	0.39	26.5	19.0	10.0	22.5	0.8	HMKP21/2J394+9000****
0.015	13.0	9.0	4.0	10.0	0.6	HMKP21/2J153+4000****	0.47	26.5	19.0	10.0	22.5	0.8	HMKP21/2J474+9000****
0.018	13.0	9.0	4.0	10.0	0.6	HMKP21/2J183+4000****	0.56	26.5	20.0	11.0	22.5	0.8	HMKP21/2J564+9000****
0.022	13.0	11.0	5.0	10.0	0.6	HMKP21/2J223+4000****	0.68	26.5	22.0	12.0	22.5	0.8	HMKP21/2J684+9000****
0.027	13.0	11.0	5.0	10.0	0.6	HMKP21/2J273+4000****	0.33	32.0	18.0	9.0	27.5	0.8	HMKP21/2J334+B000****
0.033	13.0	11.0	5.0	10.0	0.6	HMKP21/2J333+4000****	0.39	32.0	18.0	9.0	27.5	0.8	HMKP21/2J394+B000****
0.039	13.0	12.0	6.0	10.0	0.6	HMKP21/2J393+4000****	0.47	32.0	18.0	9.0	27.5	0.8	HMKP21/2J474+B000****
0.047	13.0	12.0	6.0	10.0	0.6	HMKP21/2J473+4000****	0.56	32.0	20.0	11.0	27.5	0.8	HMKP21/2J564+B000****
0.027	18.0	11.0	5.0	15.0	0.8	HMKP21/2J273+6000****	0.68	32.0	20.0	11.0	27.5	0.8	HMKP21/2J684+B000****
0.033	18.0	11.0	5.0	15.0	0.8	HMKP21/2J333+6000****	0.82	32.0	20.0	11.0	27.5	0.8	HMKP21/2J824+B000****
0.039	18.0	11.0	5.0	15.0	0.8	HMKP21/2J393+6000****	1.0	32.0	22.0	13.0	27.5	0.8	HMKP21/2J105+B000****
0.047	18.0	11.0	5.0	15.0	0.8	HMKP21/2J473+6000****	1.2	32.0	24.5	15.0	27.5	0.8	HMKP21/2J125+B000****
0.056	18.0	11.0	5.0	15.0	0.8	HMKP21/2J563+6000****	1.5	32.0	28.0	14.0	27.5	0.8	HMKP21/2J155+B000****
0.068	18.0	12.0	6.0	15.0	0.8	HMKP21/2J683+6000****	1.8	32.0	33.0	18.0	27.5	0.8	HMKP21/2J185+B000****
0.082	18.0	12.0	6.0	15.0	0.8	HMKP21/2J823+6000****	2.2	32.0	33.0	18.0	27.5	0.8	HMKP21/2J225+B000****
0.10	18.0	13.5	7.5	15.0	0.8	HMKP21/2J104+6000****	2.7	32.0	37.0	22.0	27.5	0.8	HMKP21/2J275+B000****
0.12	18.0	13.5	7.5	15.0	0.8	HMKP21/2J124+6000****	3.3	32.0	37.0	22.0	27.5	0.8	HMKP21/2J335+B000****
0.15	18.0	13.5	7.5	15.0	0.8	HMKP21/2J154+6000****							

Notes: 1) "+" means capacitance tolerance,G=±2%,H=±3%,J=±5%,K=±10%;
2)"****" means lead form and packaging code (See table 1).

Outline Dimensions

Unit: mm

1000Vd.c. (400Va.c.)													
C_N(μF)	W	H	T	P	d	Ordering Information	C_N(μF)	W	H	T	P	d	Ordering Information
0.0010	13.0	9.0	4.0	10.0	0.6	HMKP21/3A102+4000****	0.012	18.0	11.0	5.0	15.0	0.8	HMKP21/3A123+6000****
0.0012	13.0	9.0	4.0	10.0	0.6	HMKP21/3A122+4000****	0.015	18.0	12.0	6.0	15.0	0.8	HMKP21/3A153+6000****
0.0015	13.0	9.0	4.0	10.0	0.6	HMKP21/3A152+4000****	0.018	18.0	12.0	6.0	15.0	0.8	HMKP21/3A183+6000****
0.0018	13.0	9.0	4.0	10.0	0.6	HMKP21/3A182+4000****	0.022	18.0	13.5	7.5	15.0	0.8	HMKP21/3A223+6000****
0.0022	13.0	9.0	4.0	10.0	0.6	HMKP21/3A222+4000****	0.027	18.0	13.5	7.5	15.0	0.8	HMKP21/3A273+6000****
0.0027	13.0	9.0	4.0	10.0	0.6	HMKP21/3A272+4000****	0.033	18.0	14.5	8.5	15.0	0.8	HMKP21/3A333+6000****
0.0033	13.0	9.0	4.0	10.0	0.6	HMKP21/3A332+4000****	0.039	18.0	16.0	10.0	15.0	0.8	HMKP21/3A393+6000****
0.0039	13.0	9.0	4.0	10.0	0.6	HMKP21/3A392+4000****	0.047	18.0	16.0	10.0	15.0	0.8	HMKP21/3A473+6000****
0.0047	13.0	11.0	5.0	10.0	0.6	HMKP21/3A472+4000****	0.056	18.0	19.0	11.0	15.0	0.8	HMKP21/3A563+6000****
0.0068	13.0	11.0	5.0	10.0	0.6	HMKP21/3A682+4000****	0.068	18.0	19.0	11.0	15.0	0.8	HMKP21/3A683+6000****
0.0082	13.0	12.0	6.0	10.0	0.6	HMKP21/3A822+4000****	0.018	26.5	15.0	6.0	22.5	0.8	HMKP21/3A183+9000****
0.0100	13.0	12.0	6.0	10.0	0.6	HMKP21/3A103+4000****	0.022	26.5	15.0	6.0	22.5	0.8	HMKP21/3A223+9000****
0.0022	18.0	11.0	5.0	15.0	0.8	HMKP21/3A222+6000****	0.027	26.5	15.0	6.0	22.5	0.8	HMKP21/3A273+9000****
0.0027	18.0	11.0	5.0	15.0	0.8	HMKP21/3A272+6000****	0.033	26.5	15.0	6.0	22.5	0.8	HMKP21/3A333+9000****
0.0033	18.0	11.0	5.0	15.0	0.8	HMKP21/3A332+6000****	0.039	26.5	15.0	6.0	22.5	0.8	HMKP21/3A393+9000****
0.0039	18.0	11.0	5.0	15.0	0.8	HMKP21/3A392+6000****	0.047	26.5	16.5	7.0	22.5	0.8	HMKP21/3A473+9000****
0.0047	18.0	11.0	5.0	15.0	0.8	HMKP21/3A472+6000****	0.068	26.5	17.0	8.5	22.5	0.8	HMKP21/3A683+9000****
0.0056	18.0	11.0	5.0	15.0	0.8	HMKP21/3A562+6000****	0.082	26.5	17.0	8.5	22.5	0.8	HMKP21/3A823+9000****
0.0068	18.0	11.0	5.0	15.0	0.8	HMKP21/3A682+6000****	0.10	26.5	19.0	10.0	22.5	0.8	HMKP21/3A104+9000****
0.0082	18.0	11.0	5.0	15.0	0.8	HMKP21/3A822+6000****	0.15	26.5	22.0	12.0	22.5	0.8	HMKP21/3A154+9000****
0.010	18.0	11.0	5.0	15.0	0.8	HMKP21/3A103+6000****							

Notes: 1) "+" means capacitance tolerance,G=±2%,H=±3%,J=±5%,K=±10%;
2)"****" means lead form and packaging code (See table 1).

Outline Dimensions

Unit: mm

1600Vd.c. (600Va.c.)													
C_N(μF)	W	H	T	P	d	Ordering Information	C_N(μF)	W	H	T	P	d	Ordering Information
0.00056	18.0	11.0	5.0	15.0	0.8	HMKP21/3C561+6000****	0.015	18.0	13.5	7.5	15.0	0.8	HMKP21/3C153+6000****
0.00062	18.0	11.0	5.0	15.0	0.8	HMKP21/3C621+6000****	0.018	18.0	13.5	7.5	15.0	0.8	HMKP21/3C183+6000****
0.00068	18.0	11.0	5.0	15.0	0.8	HMKP21/3C681+6000****	0.022	18.0	14.5	8.5	15.0	0.8	HMKP21/3C223+6000****
0.00082	18.0	11.0	5.0	15.0	0.8	HMKP21/3C821+6000****	0.027	18.0	16.0	10.0	15.0	0.8	HMKP21/3C273+6000****
0.0010	18.0	11.0	5.0	15.0	0.8	HMKP21/3C102+6000****	0.033	18.0	16.0	10.0	15.0	0.8	HMKP21/3C333+6000****
0.0012	18.0	11.0	5.0	15.0	0.8	HMKP21/3C122+6000****	0.039	18.0	19.2	11.2	15.0	0.8	HMKP21/3C393+6000****
0.0015	18.0	11.0	5.0	15.0	0.8	HMKP21/3C152+6000****	0.047	18.0	19.2	11.2	15.0	0.8	HMKP21/3C473+6000****
0.0018	18.0	11.0	5.0	15.0	0.8	HMKP21/3C182+6000****	0.015	26.5	15.0	6.0	22.5	0.8	HMKP21/3C153+9000****
0.0022	18.0	11.0	5.0	15.0	0.8	HMKP21/3C222+6000****	0.018	26.5	15.0	6.0	22.5	0.8	HMKP21/3C183+9000****
0.0033	18.0	11.0	5.0	15.0	0.8	HMKP21/3C332+6000****	0.022	26.5	15.0	6.0	22.5	0.8	HMKP21/3C223+9000****
0.0039	18.0	11.0	5.0	15.0	0.8	HMKP21/3C392+6000****	0.027	26.5	16.5	7.0	22.5	0.8	HMKP21/3C273+9000****
0.0047	18.0	11.0	5.0	15.0	0.8	HMKP21/3C472+6000****	0.033	26.5	16.5	7.0	22.5	0.8	HMKP21/3C333+9000****
0.0056	18.0	11.0	5.0	15.0	0.8	HMKP21/3C562+6000****	0.039	26.5	17.0	8.5	22.5	0.8	HMKP21/3C393+9000****
0.0068	18.0	11.0	5.0	15.0	0.8	HMKP21/3C682+6000****	0.047	26.5	19.0	10.0	22.5	0.8	HMKP21/3C473+9000****
0.0082	18.0	12.0	6.0	15.0	0.8	HMKP21/3C822+6000****	0.056	26.5	19.0	10.0	22.5	0.8	HMKP21/3C563+9000****
0.010	18.0	12.0	6.0	15.0	0.8	HMKP21/3C103+6000****	0.068	26.5	22.0	12.0	22.5	0.8	HMKP21/3C683+9000****
0.012	18.0	12.0	6.0	15.0	0.8	HMKP21/3C123+6000****							

2000Vd.c. (700Va.c.)													
C_N(μF)	W	H	T	P	d	Ordering Information	C_N(μF)	W	H	T	P	d	Ordering Information
0.00056	18.0	11.0	5.0	15.0	0.8	HMKP21/3D561+6000****	0.0027	18.0	11.0	5.0	15.0	0.8	HMKP21/3D272+6000****
0.00062	18.0	11.0	5.0	15.0	0.8	HMKP21/3D621+6000****	0.0033	18.0	11.0	5.0	15.0	0.8	HMKP21/3D332+6000****
0.00068	18.0	11.0	5.0	15.0	0.8	HMKP21/3D681+6000****	0.0039	18.0	11.0	5.0	15.0	0.8	HMKP21/3D392+6000****
0.00082	18.0	11.0	5.0	15.0	0.8	HMKP21/3D821+6000****	0.0047	18.0	11.0	5.0	15.0	0.8	HMKP21/3D472+6000****
0.0010	18.0	11.0	5.0	15.0	0.8	HMKP21/3D102+6000****	0.0056	18.0	12.0	6.0	15.0	0.8	HMKP21/3D562+6000****
0.0012	18.0	11.0	5.0	15.0	0.8	HMKP21/3D122+6000****	0.0068	18.0	12.0	6.0	15.0	0.8	HMKP21/3D682+6000****
0.0015	18.0	11.0	5.0	15.0	0.8	HMKP21/3D152+6000****	0.0082	18.0	13.5	7.5	15.0	0.8	HMKP21/3D822+6000****
0.0018	18.0	11.0	5.0	15.0	0.8	HMKP21/3D182+6000****	0.010	18.0	13.5	7.5	15.0	0.8	HMKP21/3D103+6000****
0.0022	18.0	11.0	5.0	15.0	0.8	HMKP21/3D222+6000****	0.012	18.0	14.5	8.5	15.0	0.8	HMKP21/3D123+6000****

Notes: 1) "+" means capacitance tolerance,G=±2%,H=±3%,J=±5%,K=±10%;
2)"****" means lead form and packaging code (See table 1).

Outline Dimensions

Unit: mm

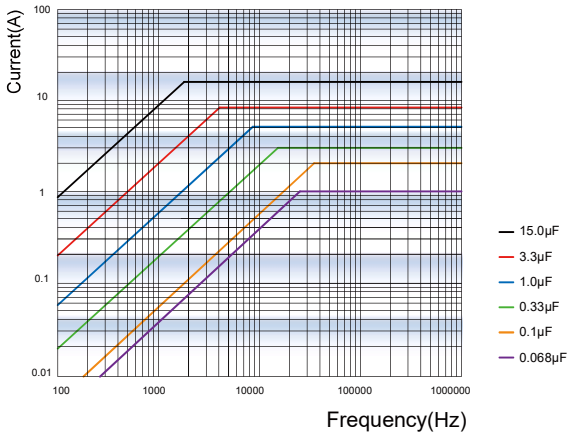
2000Vd.c. (700Va.c.)													
C_N(μF)	W	H	T	P	d	Ordering Information	C_N(μF)	W	H	T	P	d	Ordering Information
0.015	18.0	14.5	8.5	15.0	0.8	HMKP21/3D153+6000****	0.018	26.5	16.5	7.0	22.5	0.8	HMKP21/3D183+9000****
0.018	18.0	16.0	10.0	15.0	0.8	HMKP21/3D183+6000****	0.022	26.5	17.0	8.5	22.5	0.8	HMKP21/3D223+9000****
0.022	18.0	19.2	11.2	15.0	0.8	HMKP21/3D223+6000****	0.027	26.5	17.0	8.5	22.5	0.8	HMKP21/3D273+9000****
0.0068	26.0	15.0	6.0	22.5	0.8	HMKP21/3D682+9000****	0.033	26.5	19.0	10.0	22.5	0.8	HMKP21/3D333+9000****
0.0082	26.5	15.0	6.0	22.5	0.8	HMKP21/3D822+9000****	0.039	26.5	19.0	10.0	22.5	0.8	HMKP21/3D393+9000****
0.010	26.5	15.0	6.0	22.5	0.8	HMKP21/3D103+9000****	0.047	26.5	22.0	12.0	22.5	0.8	HMKP21/3D473+9000****
0.012	26.5	15.0	6.0	22.5	0.8	HMKP21/3D123+9000****	0.056	26.5	22.0	12.0	22.5	0.8	HMKP21/3D563+9000****
0.015	26.5	15.0	6.0	22.5	0.8	HMKP21/3D153+9000****							

Notes: 1) "+" means capacitance tolerance,G=±2%,H=±3%,J=±5%,K=±10%;
2)"****" means lead form and packaging code (See table 1).

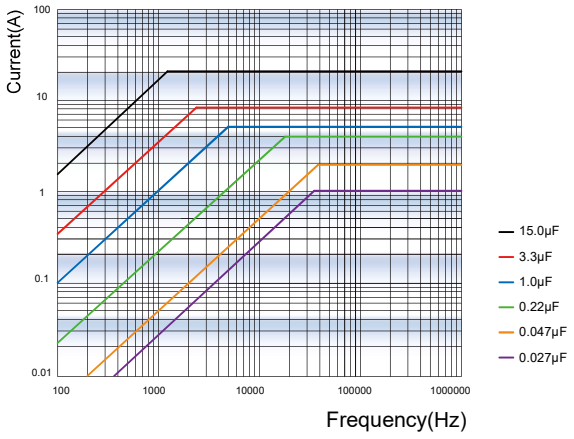
Characteristic Curve (Typical)

Permissible AC current I_{RMS} versus frequency f (for sonusoidal waveforms Top≤85℃)

160Vd.c. /90Va.c.



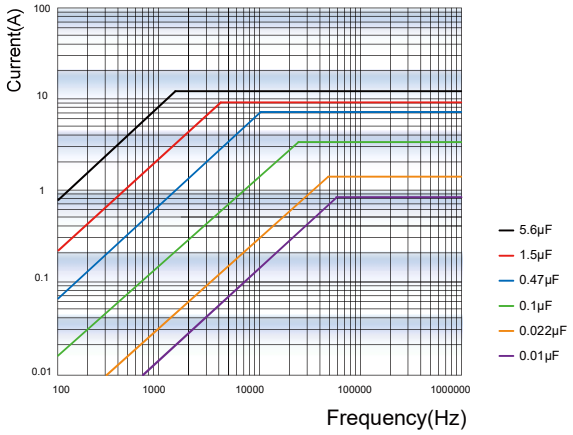
250Vd.c. /160Va.c.



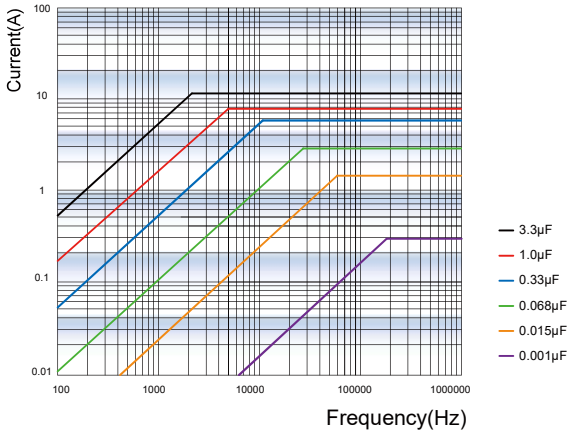
Characteristic Curve (Typical)

Permissible AC current I_{RMS} versus frequency f (for sonusoidal waveforms Top≤85℃)

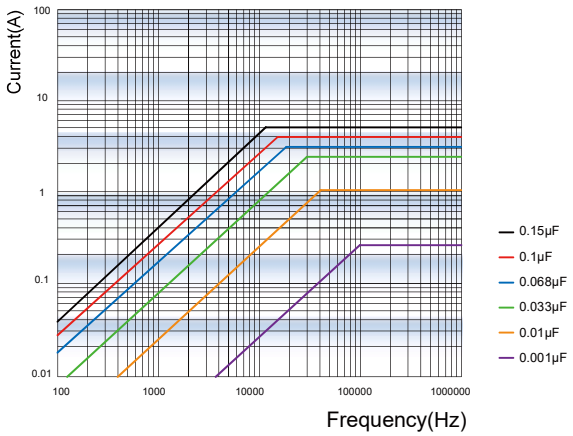
400Vd.c. /220Va.c.



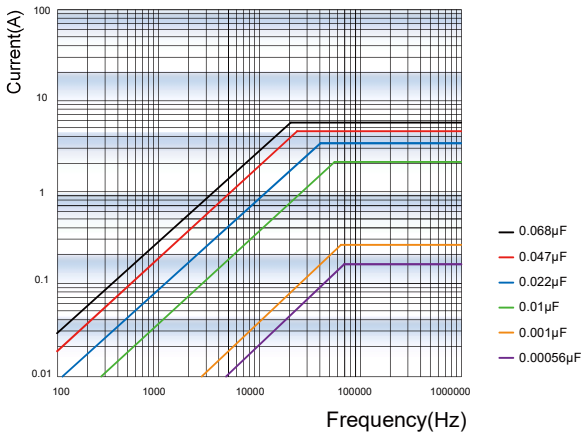
630Vd.c. /250Va.c.



1000Vd.c. /400Va.c.



1600Vd.c. /600Va.c.



2000Vd.c. /700Va.c.

