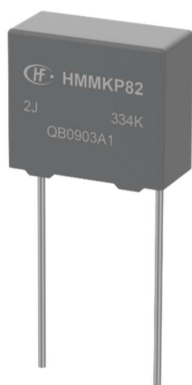


HMMKP82

Double-sided Metallized Film Capacitor



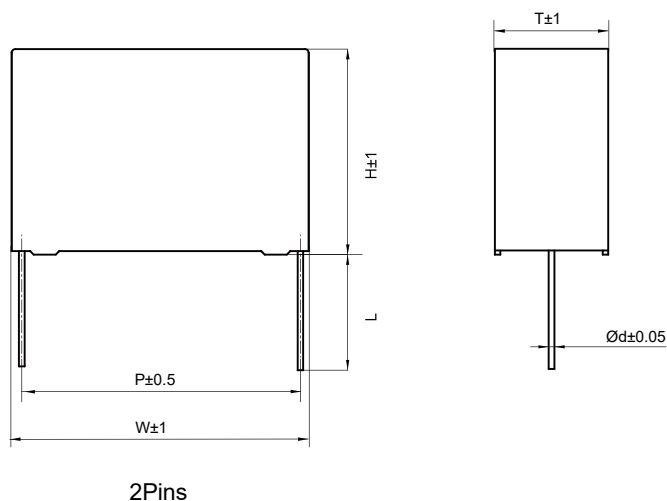
Features

- Double-sided metallized film
- Low loss and small inherent temperature rise
- High dv/dt capability
- Excellent active and passive flame resistant abilities
- High stability, long lifespan

Typical Applications

- Widely used in resonant circuit, high frequency high current, snubber and silicon-controlled rectifier (SCR and IGBT) and SiC (e.g. MOSFET) commutation circuits as well as applications with high voltage and high current.

Outline Drawing



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	250	400	630	1000	1600	2000
Rated AC voltage		180	250	400	600	650	700
Capacitance range	C _N	0.00068μF~3.9μF					
Capacitance tolerance		±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		40/105/56					
Rated temperature	T _R	85℃					
Operating temperature range	T _{OP}	-40℃~-+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	
	250	1200	1000	550	250	200	
	400	1800	1500	900	500	300	
	630	3200	3200	2500	1500	900	
	1000	6000	6000	3300	2100	1000	
	1600	-	-	6000	3000	2000	
	2000	-	-	10000	5000	2200	
	"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	22
H	M	M	K	P	8	2	/		2	J		1	0	4		J		9		0	0	0		C	0	0	0
Series code								Rated voltage		Rated capacitance			Capacitance tolerance		Pitch		Internal code			Lead form and packaging code							
								2E=250Vd.c. 2G=400Vd.c. 2J=630Vd.c. 3A=1000Vd.c. 3C=1600Vd.c. 3D=2000Vd.c		For example: 104=10×10 ⁴ pF =0.1μF			J=±5%, K=±10%		3=7.5mm 4=10mm 6=15mm 9=22.5mm B=27.5mm		See table 1										

Table 1: Lead Form and Packaging Code

Digit 19		Digit 20		Digit 21		Digit 22	
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			5	P ₃ =25.4mm,H=18.0mm (Pitch=10.0 or 15.0mm)
		6	F=15mm				
		7	F=22.5mm	1	Crimped	7	P ₃ =38mm,H=18.0mm (Pitch=22.5mm or 27.5mm)
		8	F=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

250Vd.c. (180Va.c.)													
C _N (μF)	W	H	T	P	d	Ordering Information	C _N (μF)	W	H	T	P	d	Ordering Information
0.068	18.0	11.0	5.0	15.0	0.8	HMMKP82/2E683+6000****	0.47	26.5	16.5	7.0	22.5	0.8	HMMKP82/2E474+9000****
0.082	18.0	11.0	5.0	15.0	0.8	HMMKP82/2E823+6000****	0.56	26.5	17.0	8.5	22.5	0.8	HMMKP82/2E564+9000****
0.10	18.0	11.0	5.0	15.0	0.8	HMMKP82/2E104+6000****	0.68	26.5	19.0	10.0	22.5	0.8	HMMKP82/2E684+9000****
0.12	18.0	12.0	6.0	15.0	0.8	HMMKP82/2E124+6000****	0.82	26.5	19.0	10.0	22.5	0.8	HMMKP82/2E824+9000****
0.15	18.0	12.0	6.0	15.0	0.8	HMMKP82/2E154+6000****	1.0	26.5	22.0	12.0	22.5	0.8	HMMKP82/2E105+9000****
0.18	18.0	13.5	7.5	15.0	0.8	HMMKP82/2E184+6000****	0.68	32.0	18.0	9.0	27.5	0.8	HMMKP82/2E684+B000****
0.22	18.0	13.5	7.5	15.0	0.8	HMMKP82/2E224+6000****	0.82	32.0	18.0	9.0	27.5	0.8	HMMKP82/2E824+B000****
0.27	18.0	14.5	8.5	15.0	0.8	HMMKP82/2E274+6000****	1.0	32.0	20.0	11.0	27.5	0.8	HMMKP82/2E105+B000****
0.33	18.0	16.0	10.0	15.0	0.8	HMMKP82/2E334+6000****	1.2	32.0	20.0	11.0	27.5	0.8	HMMKP82/2E125+B000****
0.39	18.0	16.0	10.0	15.0	0.8	HMMKP82/2E394+6000****	1.5	32.0	22.0	13.0	27.5	0.8	HMMKP82/2E155+B000****
0.47	18.0	19.0	11.0	15.0	0.8	HMMKP82/2E474+6000****	1.8	32.0	24.5	15.0	27.5	0.8	HMMKP82/2E185+B000****
0.18	26.5	15.0	6.0	22.5	0.8	HMMKP82/2E184+9000****	2.2	32.0	28.0	14.0	27.5	0.8	HMMKP82/2E225+B000****
0.22	26.5	15.0	6.0	22.5	0.8	HMMKP82/2E224+9000****	2.7	32.0	33.0	18.0	27.5	0.8	HMMKP82/2E275+B000****
0.27	26.5	15.0	6.0	22.5	0.8	HMMKP82/2E274+9000****	3.3	32.0	33.0	18.0	27.5	0.8	HMMKP82/2E335+B000****
0.33	26.5	15.0	6.0	22.5	0.8	HMMKP82/2E334+9000****	3.9	32.0	33.0	18.0	27.5	0.8	HMMKP82/2E395+B000****
0.39	26.5	16.5	7.0	22.5	0.8	HMMKP82/2E394+9000****							

Notes: 1) "+" means capacitance tolerance, J=±5%, K=±10%;

2) "****" means lead form and packaging code (See table 1).

Outline Dimensions

Unit: mm

400Vd.c. (250Va.c.)													
C _N (μF)	W	H	T	P	d	Ordering Information	C _N (μF)	W	H	T	P	d	Ordering Information
0.022	10.0	12.0	6.0	7.5	0.6	HMMKP82/2G223+3000****	0.18	18.0	14.5	8.5	15.0	0.6	HMMKP82/2G184+6000****
0.027	10.0	12.0	6.0	7.5	0.6	HMMKP82/2G273+3000****	0.22	18.0	16.0	10.0	15.0	0.6	HMMKP82/2G224+6000****
0.01	13.0	9.0	4.0	10.0	0.6	HMMKP82/2G103+4000****	0.27	18.0	16.0	10.0	15.0	0.6	HMMKP82/2G274+6000****
0.012	13.0	9.0	4.0	10.0	0.6	HMMKP82/2G123+4000****	0.33	18.0	19.0	11.0	15.0	0.6	HMMKP82/2G334+6000****
0.015	13.0	9.0	4.0	10.0	0.6	HMMKP82/2G153+4000****	0.39	18.0	19.0	11.0	15.0	0.6	HMMKP82/2G394+6000****
0.018	13.0	9.0	4.0	10.0	0.6	HMMKP82/2G183+4000****	0.12	26.5	15.0	6.0	22.5	0.6	HMMKP82/2G124+9000****
0.022	13.0	9.0	4.0	10.0	0.6	HMMKP82/2G223+4000****	0.15	26.5	15.0	6.0	22.5	0.6	HMMKP82/2G154+9000****
0.027	13.0	9.0	4.0	10.0	0.6	HMMKP82/2G273+4000****	0.18	26.5	15.0	6.0	22.5	0.6	HMMKP82/2G184+9000****
0.033	13.0	11.0	5.0	10.0	0.6	HMMKP82/2G333+4000****	0.22	26.5	16.5	7.0	22.5	0.6	HMMKP82/2G224+9000****
0.039	13.0	12.0	6.0	10.0	0.6	HMMKP82/2G393+4000****	0.27	26.5	17.0	8.5	22.5	0.6	HMMKP82/2G274+9000****
0.047	13.0	12.0	6.0	10.0	0.6	HMMKP82/2G473+4000****	0.33	26.5	17.0	8.5	22.5	0.6	HMMKP82/2G334+9000****
0.033	18.0	11.0	5.0	15.0	0.8	HMMKP82/2G333+6000****	0.39	26.5	17.0	8.5	22.5	0.8	HMMKP82/2G394+9000****
0.039	18.0	11.0	5.0	15.0	0.8	HMMKP82/2G393+6000****	0.47	26.5	19.0	10.0	22.5	0.8	HMMKP82/2G474+9000****
0.047	18.0	11.0	5.0	15.0	0.8	HMMKP82/2G473+6000****	0.56	26.5	22.0	12.0	22.5	0.8	HMMKP82/2G564+9000****
0.056	18.0	11.0	5.0	15.0	0.8	HMMKP82/2G563+6000****	0.68	26.5	22.0	12.0	22.5	0.8	HMMKP82/2G684+9000****
0.068	18.0	11.0	5.0	15.0	0.8	HMMKP82/2G683+6000****	0.4	32.0	18.0	9.0	27.5	0.8	HMMKP82/2G394+B000****
0.082	18.0	12.0	6.0	15.0	0.8	HMMKP82/2G823+6000****	0.5	32.0	18.0	9.0	27.5	0.8	HMMKP82/2G474+B000****
0.10	18.0	12.0	6.0	15.0	0.8	HMMKP82/2G104+6000****	0.6	32.0	20.0	11.0	27.5	0.8	HMMKP82/2G564+B000****
0.12	18.0	13.5	7.5	15.0	0.8	HMMKP82/2G124+6000****	0.7	32.0	20.0	11.0	27.5	0.8	HMMKP82/2G684+B000****
0.15	18.0	13.5	7.5	15.0	0.8	HMMKP82/2G154+6000****	0.8	32.0	22.0	13.0	27.5	0.8	HMMKP82/2G824+B000****

630Vd.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	10.0	9.0	4.0	7.5	0.6	HMMKP82/2J102+3000****	0.0039	10.0	9.0	4.0	7.5	0.6	HMMKP82/2J392+3000****
0.0012	10.0	9.0	4.0	7.5	0.6	HMMKP82/2J122+3000****	0.0047	10.0	9.0	4.0	7.5	0.6	HMMKP82/2J472+3000****
0.0015	10.0	9.0	4.0	7.5	0.6	HMMKP82/2J152+3000****	0.0056	10.0	9.0	4.0	7.5	0.6	HMMKP82/2J562+3000****
0.0018	10.0	9.0	4.0	7.5	0.6	HMMKP82/2J182+3000****	0.0068	10.0	11.0	5.0	7.5	0.6	HMMKP82/2J682+3000****
0.0022	10.0	9.0	4.0	7.5	0.6	HMMKP82/2J222+3000****	0.0082	10.0	11.0	5.0	7.5	0.6	HMMKP82/2J822+3000****
0.0027	10.0	9.0	4.0	7.5	0.6	HMMKP82/2J272+3000****	0.010	10.0	12.0	6.0	7.5	0.6	HMMKP82/2J103+3000****
0.0033	10.0	9.0	4.0	7.5	0.6	HMMKP82/2J332+3000****	0.012	10.0	12.0	6.0	7.5	0.6	HMMKP82/2J123+3000****

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

Outline Dimensions

Unit: mm

630Vd.c. (400Va.c.)													
C _N (μF)	W	H	T	P	d	Ordering Information	C _N (μF)	W	H	T	P	d	Ordering Information
0.0039	13.0	9.0	4.0	10.0	0.6	HMMKP82/2J392+4000****	0.068	26.5	15.0	6.0	22.5	0.8	HMMKP82/2J683+9000****
0.0047	13.0	9.0	4.0	10.0	0.6	HMMKP82/2J472+4000****	0.082	26.5	15.0	6.0	22.5	0.8	HMMKP82/2J823+9000****
0.0056	13.0	9.0	4.0	10.0	0.6	HMMKP82/2J562+4000****	0.10	26.5	15.0	6.0	22.5	0.8	HMMKP82/2J104+9000****
0.0068	13.0	9.0	4.0	10.0	0.6	HMMKP82/2J682+4000****	0.12	26.5	16.5	7.0	22.5	0.8	HMMKP82/2J124+9000****
0.0082	13.0	9.0	4.0	10.0	0.6	HMMKP82/2J822+4000****	0.15	26.5	17.0	8.5	22.5	0.8	HMMKP82/2J154+9000****
0.010	13.0	11.0	5.0	10.0	0.6	HMMKP82/2J103+4000****	0.18	26.5	17.0	8.5	22.5	0.8	HMMKP82/2J184+9000****
0.012	13.0	11.0	5.0	10.0	0.6	HMMKP82/2J123+4000****	0.22	26.5	19.0	10.0	22.5	0.8	HMMKP82/2J224+9000****
0.015	13.0	12.0	6.0	10.0	0.6	HMMKP82/2J153+4000****	0.27	26.5	20.0	11.0	22.5	0.8	HMMKP82/2J274+9000****
0.018	13.0	12.0	6.0	10.0	0.6	HMMKP82/2J223+4000****	0.33	26.5	22.0	12.0	22.5	0.8	HMMKP82/2J334+9000****
0.012	18.0	11.0	5.0	15.0	0.8	HMMKP82/2J123+6000****	0.39	26.5	22.0	12.0	22.5	0.8	HMMKP82/2J394+9000****
0.015	18.0	11.0	5.0	15.0	0.8	HMMKP82/2J153+6000****	0.15	32.0	18.0	9.0	27.5	0.8	HMMKP82/2J154+B000****
0.018	18.0	11.0	5.0	15.0	0.8	HMMKP82/2J183+6000****	0.18	32.0	18.0	9.0	27.5	0.8	HMMKP82/2J184+B000****
0.022	18.0	11.0	5.0	15.0	0.8	HMMKP82/2J223+6000****	0.22	32.0	18.0	9.0	27.5	0.8	HMMKP82/2J224+B000****
0.027	18.0	11.0	5.0	15.0	0.8	HMMKP82/2J273+6000****	0.27	32.0	18.0	9.0	27.5	0.8	HMMKP82/2J274+B000****
0.033	18.0	12.0	6.0	15.0	0.8	HMMKP82/2J333+6000****	0.33	32.0	20.0	11.0	27.5	0.8	HMMKP82/2J334+B000****
0.039	18.0	12.0	6.0	15.0	0.8	HMMKP82/2J393+6000****	0.39	32.0	20.0	11.0	27.5	0.8	HMMKP82/2J394+B000****
0.047	18.0	12.0	6.0	15.0	0.8	HMMKP82/2J473+6000****	0.47	32.0	22.0	13.0	27.5	0.8	HMMKP82/2J474+B000****
0.056	18.0	13.5	7.5	15.0	0.8	HMMKP82/2J563+6000****	0.56	32.0	22.0	13.0	27.5	0.8	HMMKP82/2J564+B000****
0.068	18.0	14.5	8.5	15.0	0.8	HMMKP82/2J683+6000****	0.68	32.0	24.5	15.0	27.5	0.8	HMMKP82/2J684+B000****
0.082	18.0	14.5	8.5	15.0	0.8	HMMKP82/2J823+6000****	0.82	32.0	28.0	14.0	27.5	0.8	HMMKP82/2J824+B000****
0.10	18.0	16.0	10.0	15.0	0.8	HMMKP82/2J104+6000****	1.0	32.0	33.0	18.0	27.5	0.8	HMMKP82/2J105+B000****
0.12	18.0	19.0	11.0	15.0	0.8	HMMKP82/2J124+6000****	1.2	32.0	33.0	18.0	27.5	0.8	HMMKP82/2J125+B000****
0.15	18.0	19.0	11.0	15.0	0.8	HMMKP82/2J154+6000****	1.5	32.0	37.0	22.0	27.5	0.8	HMMKP82/2J155+B000****
0.047	26.5	15.0	6.0	22.5	0.8	HMMKP82/2J473+9000****	1.8	32.0	37.2	22.0	27.5	0.8	HMMKP82/2J185+B000****
0.056	26.5	15.0	6.0	22.5	0.8	HMMKP82/2J563+9000****							

Notes: 1) "+" means capacitance tolerance, J=±5%, K=±10%;

2) "****" means lead form and packaging code (See table 1).

Outline Dimensions

Unit: mm

1000Vd.c. (600Va.c.)													
C _N (μF)	W	H	T	P	d	Ordering Information	C _N (μF)	W	H	T	P	d	Ordering Information
0.00068	10.0	9.0	4.0	7.5	0.6	HMMKP82/3A681+3000****	0.022	18.0	13.5	7.5	15.0	0.8	HMMKP82/3A223+6000****
0.00082	10.0	9.0	4.0	7.5	0.6	HMMKP82/3A821+3000****	0.027	18.0	13.5	7.5	15.0	0.8	HMMKP82/3A273+6000****
0.0010	10.0	9.0	4.0	7.5	0.6	HMMKP82/3A102+3000****	0.033	18.0	14.5	8.5	15.0	0.8	HMMKP82/3A333+6000****
0.0012	10.0	9.0	4.0	7.5	0.6	HMMKP82/3A122+3000****	0.039	18.0	16.0	10.0	15.0	0.8	HMMKP82/3A393+6000****
0.0015	10.0	11.0	5.0	7.5	0.6	HMMKP82/3A152+3000****	0.047	18.0	16.0	10.0	15.0	0.8	HMMKP82/3A473+6000****
0.0018	10.0	11.0	5.0	7.5	0.6	HMMKP82/3A182+3000****	0.056	18.0	19.0	11.0	15.0	0.8	HMMKP82/3A563+6000****
0.0022	10.0	11.0	5.0	7.5	0.6	HMMKP82/3A222+3000****	0.033	26.5	15.0	6.0	22.5	0.8	HMMKP82/3A333+9000****
0.0027	10.0	12.0	6.0	7.5	0.6	HMMKP82/3A272+3000****	0.039	26.5	15.0	6.0	22.5	0.8	HMMKP82/3A393+9000****
0.0033	10.0	12.0	6.0	7.5	0.6	HMMKP82/3A332+3000****	0.047	26.5	16.5	7.0	22.5	0.8	HMMKP82/3A473+9000****
0.0039	10.0	12.0	6.0	7.5	0.6	HMMKP82/3A392+3000****	0.056	26.5	16.5	7.0	22.5	0.8	HMMKP82/3A563+9000****
0.0010	13.0	9.0	4.0	10.0	0.6	HMMKP82/3A102+4000****	0.068	26.5	17.0	8.5	22.5	0.8	HMMKP82/3A683+9000****
0.0012	13.0	9.0	4.0	10.0	0.6	HMMKP82/3A122+4000****	0.082	26.5	17.0	8.5	22.5	0.8	HMMKP82/3A823+9000****
0.0015	13.0	9.0	4.0	10.0	0.6	HMMKP82/3A152+4000****	0.10	26.5	19.0	10.0	22.5	0.8	HMMKP82/3A104+9000****
0.0018	13.0	9.0	4.0	10.0	0.6	HMMKP82/3A182+4000****	0.12	26.5	20.0	11.0	22.5	0.8	HMMKP82/3A124+9000****
0.0022	13.0	9.0	4.0	10.0	0.6	HMMKP82/3A222+4000****	0.15	26.5	22.0	12.0	22.5	0.8	HMMKP82/3A154+9000****
0.0027	13.0	9.0	4.0	10.0	0.6	HMMKP82/3A272+4000****	0.18	26.5	22.0	12.0	22.5	0.8	HMMKP82/3A184+9000****
0.0033	13.0	9.0	4.0	10.0	0.6	HMMKP82/3A332+4000****	0.10	32.0	18.0	9.0	27.5	0.8	HMMKP82/3A104+B000****
0.0039	13.0	11.0	5.0	10.0	0.6	HMMKP82/3A392+4000****	0.12	32.0	20.0	11.0	27.5	0.8	HMMKP82/3A124+B000****
0.0047	13.0	11.0	5.0	10.0	0.6	HMMKP82/3A472+4000****	0.15	32.0	20.0	11.0	27.5	0.8	HMMKP82/3A154+B000****
0.0056	13.0	12.0	6.0	10.0	0.6	HMMKP82/3A562+4000****	0.18	32.0	22.0	13.0	27.5	0.8	HMMKP82/3A184+B000****
0.0068	13.0	12.0	6.0	10.0	0.6	HMMKP82/3A682+4000****	0.22	32.0	22.0	13.0	27.5	0.8	HMMKP82/3A224+B000****
0.0082	18.0	11.0	5.0	15.0	0.8	HMMKP82/3A822+6000****	0.27	32.0	24.5	15.0	27.5	0.8	HMMKP82/3A274+B000****
0.010	18.0	11.0	5.0	15.0	0.8	HMMKP82/3A103+6000****	0.33	32.0	28.0	14.0	27.5	0.8	HMMKP82/3A334+B000****
0.012	18.0	11.0	5.0	15.0	0.8	HMMKP82/3A123+6000****	0.39	32.0	33.0	18.0	27.5	0.8	HMMKP82/3A394+B000****
0.015	18.0	11.0	5.0	15.0	0.8	HMMKP82/3A153+6000****	0.47	32.0	33.0	18.0	27.5	0.8	HMMKP82/3A474+B000****
0.018	18.0	12.0	6.0	15.0	0.8	HMMKP82/3A183+6000****							

Notes: 1) "+" means capacitance tolerance, J=±5%, K=±10%;

2) "****" means lead form and packaging code (See table 1).

Outline Dimensions

Unit: mm

1600Vd.c. (650Va.c.)													
C _N (μF)	W	H	T	P	d	Ordering Information	C _N (μF)	W	H	T	P	d	Ordering Information
0.00068	18.0	11.0	5.0	15.0	0.8	HMMKP82/3C681+6000****	0.022	26.5	15.0	6.0	22.5	0.8	HMMKP82/3C223+9000****
0.00082	18.0	11.0	5.0	15.0	0.8	HMMKP82/3C821+6000****	0.027	26.5	15.0	6.0	22.5	0.8	HMMKP82/3C273+9000****
0.0010	18.0	11.0	5.0	15.0	0.8	HMMKP82/3C102+6000****	0.033	26.5	16.5	7.0	22.5	0.8	HMMKP82/3C333+9000****
0.0012	18.0	11.0	5.0	15.0	0.8	HMMKP82/3C122+6000****	0.039	26.5	17.0	8.5	22.5	0.8	HMMKP82/3C393+9000****
0.0015	18.0	11.0	5.0	15.0	0.8	HMMKP82/3C152+6000****	0.047	26.5	19.0	10.0	22.5	0.8	HMMKP82/3C473+9000****
0.0018	18.0	11.0	5.0	15.0	0.8	HMMKP82/3C182+6000****	0.056	26.5	19.0	10.0	22.5	0.8	HMMKP82/3C563+9000****
0.0022	18.0	11.0	5.0	15.0	0.8	HMMKP82/3C222+6000****	0.068	26.5	20.0	11.0	22.5	0.8	HMMKP82/3C683+9000****
0.0027	18.0	11.0	5.0	15.0	0.8	HMMKP82/3C272+6000****	0.082	26.5	22.0	12.0	22.5	0.8	HMMKP82/3C823+9000****
0.0033	18.0	11.0	5.0	15.0	0.8	HMMKP82/3C332+6000****	0.1	26.5	22.0	12.0	22.5	0.8	HMMKP82/3C104+9000****
0.0039	18.0	11.0	5.0	15.0	0.8	HMMKP82/3C392+6000****	0.039	32.0	18.0	9.0	27.5	0.8	HMMKP82/3C393+B000****
0.0047	18.0	11.0	5.0	15.0	0.8	HMMKP82/3C472+6000****	0.047	32.0	18.0	9.0	27.5	0.8	HMMKP82/3C473+B000****
0.0056	18.0	11.0	5.0	15.0	0.8	HMMKP82/3C562+6000****	0.056	32.0	18.0	9.0	27.5	0.8	HMMKP82/3C563+B000****
0.0068	18.0	11.0	5.0	15.0	0.8	HMMKP82/3C682+6000****	0.068	32.0	18.0	9.0	27.5	0.8	HMMKP82/3C683+B000****
0.0082	18.0	12.0	6.0	15.0	0.8	HMMKP82/3C822+6000****	0.082	32.0	20.0	11.0	27.5	0.8	HMMKP82/3C823+B000****
0.010	18.0	12.0	6.0	15.0	0.8	HMMKP82/3C103+6000****	0.1	32.0	20.0	11.0	27.5	0.8	HMMKP82/3C104+B000****
0.012	18.0	13.5	7.5	15.0	0.8	HMMKP82/3C123+6000****	0.12	32.0	22.0	13.0	27.5	0.8	HMMKP82/3C124+B000****
0.015	18.0	13.5	7.5	15.0	0.8	HMMKP82/3C153+6000****	0.15	32.0	28.0	14.0	27.5	0.8	HMMKP82/3C154+B000****
0.018	18.0	14.5	8.5	15.0	0.8	HMMKP82/3C183+6000****	0.18	32.0	28.0	14.0	27.5	0.8	HMMKP82/3C184+B000****
0.022	18.0	14.5	8.5	15.0	0.8	HMMKP82/3C223+6000****	0.22	32.0	28.0	17.0	27.5	0.8	HMMKP82/3C224+B000****
0.027	18.0	16.0	10.0	15.0	0.8	HMMKP82/3C273+6000****	0.27	32.0	33.0	18.0	27.5	0.8	HMMKP82/3C274+B000****
0.033	18.0	19.0	11.0	15.0	0.8	HMMKP82/3C333+6000****	0.33	32.0	33.0	18.0	27.5	0.8	HMMKP82/3C334+B000****
0.015	26.5	15.0	6.0	22.5	0.8	HMMKP82/3C153+9000****	0.39	32.0	37.0	22.0	27.5	0.8	HMMKP82/3C394+B000****
0.018	26.5	15.0	6.0	22.5	0.8	HMMKP82/3C183+9000****	0.47	32.0	37.0	22.0	27.5	0.8	HMMKP82/3C474+B000****

Notes: 1) "+" means capacitance tolerance, 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
0.0010	18.0	11.0	5.0	15.0	0.8	HMMKP82/3D102+6000****	0.010	26.5	15.0	6.0	22.5	0.8	HMMKP82/3D103+9000****
0.0012	18.0	11.0	5.0	15.0	0.8	HMMKP82/3D122+6000****	0.012	26.5	15.0	6.0	22.5	0.8	HMMKP82/3D123+9000****
0.0015	18.0	11.0	5.0	15.0	0.8	HMMKP82/3D152+6000****	0.015	26.5	16.5	7.0	22.5	0.8	HMMKP82/3D153+9000****
0.0018	18.0	11.0	5.0	15.0	0.8	HMMKP82/3D182+6000****	0.018	26.5	16.5	7.0	22.5	0.8	HMMKP82/3D183+9000****
0.0022	18.0	11.0	5.0	15.0	0.8	HMMKP82/3D222+6000****	0.022	26.5	17.0	8.5	22.5	0.8	HMMKP82/3D223+9000****
0.0027	18.0	11.0	5.0	15.0	0.8	HMMKP82/3D272+6000****	0.027	26.5	19.0	10.0	22.5	0.8	HMMKP82/3D273+9000****
0.0033	18.0	12.0	6.0	15.0	0.8	HMMKP82/3D332+6000****	0.033	26.5	19.0	10.0	22.5	0.8	HMMKP82/3D333+9000****
0.0039	18.0	12.0	6.0	15.0	0.8	HMMKP82/3D392+6000****	0.039	26.5	22.0	12.0	22.5	0.8	HMMKP82/3D393+9000****
0.0047	18.0	12.0	6.0	15.0	0.8	HMMKP82/3D472+6000****	0.047	26.5	22.0	12.0	22.5	0.8	HMMKP82/3D473+9000****
0.0056	18.0	13.5	7.5	15.0	0.8	HMMKP82/3D562+6000****	0.022	32.0	18.0	9.0	27.5	0.8	HMMKP82/3D223+B000****
0.0068	18.0	13.5	7.5	15.0	0.8	HMMKP82/3D682+6000****	0.027	32.0	18.0	9.0	27.5	0.8	HMMKP82/3D273+B000****
0.0082	18.0	14.5	8.5	15.0	0.8	HMMKP82/3D822+6000****	0.033	32.0	18.0	9.0	27.5	0.8	HMMKP82/3D333+B000****
0.010	18.0	16.0	10.0	15.0	0.8	HMMKP82/3D103+6000****	0.039	32.0	20.0	11.0	27.5	0.8	HMMKP82/3D393+B000****
0.012	18.0	16.0	10.0	15.0	0.8	HMMKP82/3D123+6000****	0.047	32.0	20.0	11.0	27.5	0.8	HMMKP82/3D473+B000****
0.015	18.0	19.0	11.0	15.0	0.8	HMMKP82/3D153+6000****	0.056	32.0	22.0	13.0	27.5	0.8	HMMKP82/3D563+B000****
0.018	18.0	19.0	11.0	15.0	0.8	HMMKP82/3D183+6000****	0.068	32.0	22.0	13.0	27.5	0.8	HMMKP82/3D683+B000****
0.0047	26.5	15.0	6.0	22.5	0.8	HMMKP82/3D472+9000****	0.082	32.0	28.0	14.0	27.5	0.8	HMMKP82/3D823+B000****
0.0056	26.5	15.0	6.0	22.5	0.8	HMMKP82/3D562+9000****	0.1	32.0	28.0	14.0	27.5	0.8	HMMKP82/3D104+B000****
0.0068	26.5	15.0	6.0	22.5	0.8	HMMKP82/3D682+9000****	0.12	32.0	33.0	18.0	27.5	0.8	HMMKP82/3D124+B000****
0.0082	26.5	15.0	6.0	22.5	0.8	HMMKP82/3D822+9000****	0.15	32.0	33.0	18.0	27.5	0.8	HMMKP82/3D154+B000****

Notes: 1) "+" means capacitance tolerance, 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 sinusoidal waveforms $T_{op} \leq 85^{\circ}\text{C}$)

