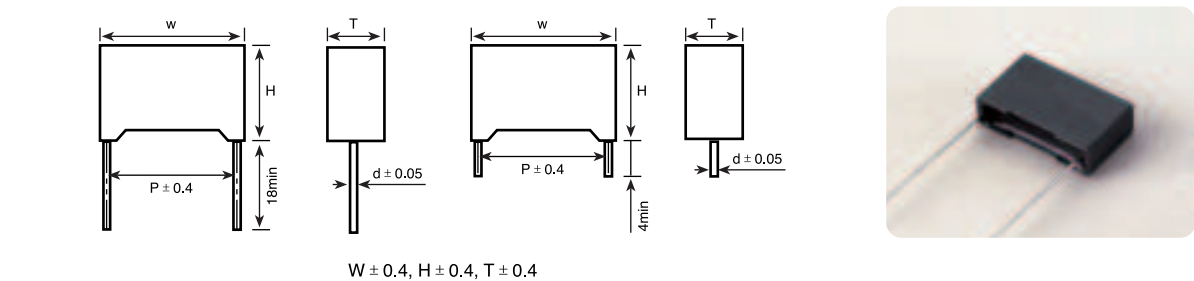


塑料外壳双面金属化聚丙烯膜电容器

Double sided metallized polypropylene film capacitor (Box-type)

■ 外形图 Outline Drawing



■ 特点

- 双面金属化聚丙烯引出
- 损耗小，内部温升小
- 负电容量温度系数
- 优异的阻燃性能

■ Features

- Doublesided metallized polypropylene structure
- Low loss and small inherent temperature rise
- Negative temperature coefficient of capacitance
- Exellent active and passive flame resistant circuit

■ 主要用途

- 广泛应用于高压高频脉冲电路中
- 电视机中S校正和行逆程波形和显示器中
- 照明电路中电子整流
- 吸收和SCR整流电路

■ Typical Applications

- widely used in high voltage, high frequency and pulse circuit
- Deflection circuits in TV-sets(S-correction and fly-back tuning)and monitors
- Lamp capacitor for electronic ballast and compact lamps
- SNUBBER and SCR commutating circuits

■ 技术要求 Specifications

引用标准 Reference Standard	GB/T 14579 (IEC 60384-17)		
气候类别 Climatic Category	40/100/56		
额定温度 Rated Temperature	85℃ for V _R (dc); 75℃ for V _R (ac)		
工作温度范围 Operating Temperature Range	-40℃~105℃ (+85℃ to +105℃: decreasing factor 1.25% per ℃ for V _R (dc)) (+75℃ to +105℃: decreasing factor 1.35% per ℃ for V _R (ac))		
额定电压 Rated Voltage	250V, 400V, 630V, 1 000V, 1 400/1 600V, 2 000V		
电容量范围 Capacitance Range	0.00022μF~3.9μF		
电容量偏差 Capacitance Tolerance	± 2%(G), ± 3%(H), ± 5%(J), ± 10%(K), ± 20%(M)		
耐电压 Voltage Proof	1.60U _R (5s)		
损耗角正切 Dissipation Factor	≤ 0.0010 (1kHz, 20℃)		
绝缘电阻 Insulation Resistance	≥ 50 000MΩ C _R ≤0.33μF ≥ 15 000s C _R >0.33μF (20℃, 100V, 1min)		



产品编码说明 Part number code system

■ 15位产品代码如下:

The 15 digits part number is formed as follow:

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
C	8	2												

第1~3位	薄膜电容器系列代码	Digit 1 to 3	Series code of film capacitor
	C82= MMKP82		C82= MMKP82
第4~5位	直流额定电压	Digit 4 to 5	DC rated voltage
	2E=250V 2G=400V 2J=630V		2E=250V 2G=400V 2J=630V
	3A=1000V 3M=1400V		3A=1000V 3M=1400V
	3C=1600V 3D=2000V		3C=1600V 3D=2000V
第6~8位	标称容量	Digit 6 to 8	Rated capacitance value
	举例: 103=10×10 ³ pF=0.01μF		For example: 103=10×10 ³ pF=0.01μF
第9位	容量偏差	Digit 9	Capacitance tolerance
	G= ± 2%, H= ± 3%, J= ± 5%		G= ± 2%, H= ± 3%, J= ± 5%
	K= ± 10%, M= ± 20%		K= ± 10%, M= ± 20%
第10位	引线脚距 P	Digit 10	Pitch
	3=7.5mm 4=10.0mm 6=15.0mm		3=7.5mm 4=10.0mm 6=15.0mm
	9=22.5mm B=27.5mm		9=22.5mm B=27.5mm
第11位	内部特征码	Digit 11	Internal use
第12~15位	引线加工和包装代码	Digit 12 to 15	Lead form and packaging code

■ Table1 引线加工和包装代码 Lead form and packaging code

第12位 Digit 12		第13位 Digit 13		第14位 Digit 14		第15位 Digit 15	
代码 Code	说明 explanation	代码 Code	说明 explanation	代码 Code	说明 explanation	代码 Code	说明 explanation
A R	弹带包装 ammo-pack 圆盘包装 reel-pack	3	F=7.5mm	0	表示直脚 straight	1	产品在连续的两个载带孔之间P3=12.7mm, H=18.5mm (For pitch=7.5mm) product distanceP3=12.7mm,each cap. among two consecutive holes
		4	F=10.0mm				
		6	F=15.0mm	1	表示弯脚 formed	5	P3=25.4mm,H=18.5mm (For pitch=10/15mm) (Detail parameter refer to pag 12)
F	引线成型 lead formed	3	F=7.5mm	0	B=4.5mm (the length of B)	0	B的长度偏差 ± 0.5mm B Length tolerance ± 0.5mm (Detail parameter refer to pag 10)
		4	F=10.0mm				
		6	F=15.0mm				
C	散装切脚 straight lead or cut lead	代码 Code	说明 explanation			0	引线长度偏差 ± 0.5mm Length tolerance ± 0.5mm
		00	标准的引线长度(18mm~22mm) standard lead length				
		45	引线长度 4.5mm lead length 4.5mm				

■ 外形尺寸 Dimensions(mm)

250Vdc(180Vac)						
容量 (μF)	W	H	T	P	d	产品代码 Part number
0.0068	10.5	9.0	4.0	7.5	0.6	C822E682+30****
0.0082	10.5	9.0	4.0	7.5	0.6	C822E822+30****
0.010	10.5	9.0	4.0	7.5	0.6	C822E103+30****
0.012	10.5	9.0	4.0	7.5	0.6	C822E123+30****
0.015	10.5	9.0	4.0	7.5	0.6	C822E153+30****
0.018	10.5	9.0	4.0	7.5	0.6	C822E183+30****
0.022	10.5	9.0	4.0	7.5	0.6	C822E223+30****
0.027	10.5	11.0	5.0	7.5	0.6	C822E273+30****
0.033	10.5	11.0	5.0	7.5	0.6	C822E333+30****
0.039	10.5	12.0	6.0	7.5	0.6	C822E393+30****
0.047	10.5	12.0	6.0	7.5	0.6	C822E473+30****
0.027	13.0	9.0	4.0	10.0	0.6	C822E273+40****
0.033	13.0	9.0	4.0	10.0	0.6	C822E333+40****
0.039	13.0	9.0	4.0	10.0	0.6	C822E393+40****
0.047	13.0	11.0	5.0	10.0	0.6	C822E473+40****
0.056	13.0	11.0	5.0	10.0	0.6	C822E563+40****
0.068	13.0	12.0	6.0	10.0	0.6	C822E683+40****
0.082	13.0	12.0	6.0	10.0	0.6	C822E823+40****
0.068	17.5	11.0	5.0	15.0	0.8	C822E683+60****
0.082	17.5	11.0	5.0	15.0	0.8	C822E823+60****
0.10	17.5	11.0	5.0	15.0	0.8	C822E104+60****
0.12	17.5	12.0	6.0	15.0	0.8	C822E124+60****
0.15	17.5	12.0	6.0	15.0	0.8	C822E154+60****
0.18	17.5	13.5	7.5	15.0	0.8	C822E184+60****
0.22	17.5	13.5	7.5	15.0	0.8	C822E224+60****
0.27	17.5	14.5	8.5	15.0	0.8	C822E274+60****
0.33	17.5	16.0	10.0	15.0	0.8	C822E334+60****
0.39	17.5	16.0	10.0	15.0	0.8	C822E394+60****
0.22	26.5	15.0	6.0	22.5	0.8	C822E224+90****
0.27	26.5	15.0	6.0	22.5	0.8	C822E274+90****
0.33	26.5	15.0	6.0	22.5	0.8	C822E334+90****
0.39	26.5	16.0	7.0	22.5	0.8	C822E394+90****
0.47	26.5	16.0	7.0	22.5	0.8	C822E474+90****
0.56	26.5	17.0	8.5	22.5	0.8	C822E564+90****
0.68	26.5	18.5	10.0	22.5	0.8	C822E684+90****
0.82	26.5	18.5	10.0	22.5	0.8	C822E824+90****
1.0	26.5	22.0	12.0	22.5	0.8	C822E105+90****
0.82	32.0	18.0	9.0	27.5	0.8	C822E824+B0****
1.0	32.0	20.0	11.0	27.5	0.8	C822E105+B0****
1.2	32.0	20.0	11.0	27.5	0.8	C822E125+B0****
1.5	32.0	22.0	13.0	27.5	0.8	C822E155+B0****
1.8	32.0	24.5	15.0	27.5	0.8	C822E185+B0****
2.2	32.0	24.5	15.0	27.5	0.8	C822E225+B0****
2.7	32.0	33.0	18.0	27.5	0.8	C822E275+B0****
3.3	32.0	33.0	18.0	27.5	0.8	C822E335+B0****
3.9	32.0	33.0	18.0	27.5	0.8	C822E395+B0****

400Vdc(250Vac)@						
容量 (μF)	W	H	T	P	d	产品代码 Part number
0.0027	10.5	9.0	4.0	7.5	0.6	C822G272+30****
0.0033	10.5	9.0	4.0	7.5	0.6	C822G332+30****
0.0039	10.5	9.0	4.0	7.5	0.6	C822G392+30****
0.0047	10.5	9.0	4.0	7.5	0.6	C822G472+30****
0.0056	10.5	9.0	4.0	7.5	0.6	C822G562+30****
0.0068	10.5	9.0	4.0	7.5	0.6	C822G682+30****
0.0082	10.5	9.0	4.0	7.5	0.6	C822G822+30****
0.010	10.5	9.0	4.0	7.5	0.6	C822G103+30****
0.012	10.5	9.0	4.0	7.5	0.6	C822G123+30****
0.015	10.5	11.0	5.0	7.5	0.6	C822G153+30****
0.018	10.5	11.0	5.0	7.5	0.6	C822G183+30****
0.022	10.5	12.0	6.0	7.5	0.6	C822G223+30****
0.027	10.5	12.0	6.0	7.5	0.6	C822G273+30****
0.010	13.0	9.0	4.0	10.0	0.6	C822G103+40****
0.012	13.0	9.0	4.0	10.0	0.6	C822G123+40****
0.015	13.0	9.0	4.0	10.0	0.6	C822G153+40****
0.018	13.0	9.0	4.0	10.0	0.6	C822G183+40****
0.022	13.0	9.0	4.0	10.0	0.6	C822G223+40****
0.027	13.0	11.0	5.0	10.0	0.6	C822G273+40****
0.033	13.0	11.0	5.0	10.0	0.6	C822G333+40****
0.039	13.0	12.0	6.0	10.0	0.6	C822G393+40****
0.047	13.0	12.0	6.0	10.0	0.6	C822G473+40****
0.033	17.5	11.0	5.0	15.0	0.8	C822G333+60****
0.039	17.5	11.0	5.0	15.0	0.8	C822G393+60****
0.047	17.5	11.0	5.0	15.0	0.8	C822G473+60****
0.056	17.5	11.0	5.0	15.0	0.8	C822G563+60****
0.068	17.5	12.0	6.0	15.0	0.8	C822G683+60****
0.082	17.5	12.0	6.0	15.0	0.8	C822G823+60****
0.10	17.5	13.5	7.5	15.0	0.8	C822G104+60****
0.12	17.5	13.5	7.5	15.0	0.8	C822G124+60****
0.15	17.5	14.5	8.5	15.0	0.8	C822G154+60****
0.18	17.5	16.0	10.0	15.0	0.8	C822G184+60****
0.22	17.5	16.0	10.0	15.0	0.8	C822G224+60****
0.27	17.5	19.0	11.0	15.0	0.8	C822G274+60****
0.12	26.5	15.0	6.0	22.5	0.8	C822G124+90****
0.15	26.5	15.0	6.0	22.5	0.8	C822G154+90****
0.18	26.5	15.0	6.0	22.5	0.8	C822G184+90****
0.22	26.5	16.0	7.0	22.5	0.8	C822G224+90****
0.27	26.5	16.0	7.0	22.5	0.8	C822G274+90****
0.27	26.5	17.0	8.5	22.5	0.8	C822G274+90****
0.33	26.5	17.0	8.5	22.5	0.8	C822G334+90****
0.39	26.5	18.5	10.0	22.5	0.8	C822G394+90****
0.47	26.5	18.5	10.0	22.5	0.8	C822G474+90****
0.56	26.5	22.0	12.0	22.5	0.8	C822G564+90****
0.68	26.5	22.0	12.0	22.5	0.8	C822G684+90****
0.39	32.0	18.0	9.0	27.5	0.8	C822G394+B0****
0.47	32.0	18.0	9.0	27.5	0.8	C822G474+B0****
0.56	32.0	20.0	11.0	27.5	0.8	C822G564+B0****
0.68	32.0	20.0	11.0	27.5	0.8	C822G684+B0****
0.82	32.0	22.0	13.0	27.5	0.8	C822G824+B0****
1.0	32.0	24.5	15.0	27.5	0.8	C822G105+B0****
1.2	32.0	24.5	15.0	27.5	0.8	C822G125+B0****
1.5	32.0	33.0	18.0	27.5	0.8	C822G155+B0****
1.8	32.0	33.0	18.0	27.5	0.8	C822G185+B0****

备注: 1. “+”表示容量偏差。“+”=capacitance tolerance code, M= ± 20%,K= ± 10%,J= ± 5%,H= ± 3%,G= ± 2%
2. “****”表示引线加工和包装代码(见表1)。“****”=lead form and packaging code(refer to table 1)
3. “@”不用作跨线, 请参见抗干扰电容器(Pag.97)
“@” Not suitable for across-the-line applications. Pls refer to Interference Suppression Capacitors(Pag. 97)



MMKP82 (C82)

MMKP82 (C82)



■ 外形尺寸 Dimensions(mm)

630Vdc(400Vac)						
容量 (μF)	W	H	T	P	d	产品代码 Part number
0.00068	10.5	9.0	4.0	7.5	0.6	C822J681+30****
0.00082	10.5	9.0	4.0	7.5	0.6	C822J821+30****
0.0010	10.5	9.0	4.0	7.5	0.6	C822J102+30****
0.0012	10.5	9.0	4.0	7.5	0.6	C822J122+30****
0.0015	10.5	9.0	4.0	7.5	0.6	C822J152+30****
0.0018	10.5	9.0	4.0	7.5	0.6	C822J182+30****
0.0022	10.5	9.0	4.0	7.5	0.6	C822J222+30****
0.0027	10.5	9.0	4.0	7.5	0.6	C822J272+30****
0.0033	10.5	9.0	4.0	7.5	0.6	C822J332+30****
0.0039	10.5	9.0	4.0	7.5	0.6	C822J392+30****
0.0047	10.5	9.0	4.0	7.5	0.6	C822J472+30****
0.0056	10.5	9.0	4.0	7.5	0.6	C822J562+30****
0.0068	10.5	11.0	5.0	7.5	0.6	C822J682+30****
0.0082	10.5	11.0	5.0	7.5	0.6	C822J822+30****
0.010	10.5	12.0	6.0	7.5	0.6	C822J103+30****
0.012	10.5	12.0	6.0	7.5	0.6	C822J123+30****
0.0039	13.0	9.0	4.0	10.0	0.6	C822J392+40****
0.0047	13.0	9.0	4.0	10.0	0.6	C822J472+40****
0.0056	13.0	9.0	4.0	10.0	0.6	C822J562+40****
0.0068	13.0	9.0	4.0	10.0	0.6	C822J682+40****
0.0082	13.0	9.0	4.0	10.0	0.6	C822J822+40****
0.010	13.0	11.0	5.0	10.0	0.6	C822J103+40****
0.012	13.0	11.0	5.0	10.0	0.6	C822J123+40****
0.015	13.0	12.0	6.0	10.0	0.6	C822J153+40****
0.018	13.0	12.0	6.0	10.0	0.6	C822J183+40****
0.012	17.5	11.0	5.0	15.0	0.8	C822J123+60****
0.015	17.5	11.0	5.0	15.0	0.8	C822J153+60****
0.018	17.5	11.0	5.0	15.0	0.8	C822J183+60****
0.022	17.5	11.0	5.0	15.0	0.8	C822J223+60****
0.027	17.5	11.0	5.0	15.0	0.8	C822J273+60****
0.033	17.5	12.0	6.0	15.0	0.8	C822J333+60****

630Vdc(400Vac)						
容量 (μF)	W	H	T	P	d	产品代码 Part number
0.039	17.5	12.0	6.0	15.0	0.8	C822J393+60****
0.047	17.5	12.0	6.0	15.0	0.8	C822J473+60****
0.056	17.5	13.5	7.5	15.0	0.8	C822J563+60****
0.068	17.5	14.5	8.5	15.0	0.8	C822J683+60****
0.082	17.5	14.5	8.5	15.0	0.8	C822J823+60****
0.10	17.5	16.0	10.0	15.0	0.8	C822J104+60****
0.12	17.5	19.0	11.0	15.0	0.8	C822J124+60****
0.047	26.5	15.0	6.0	22.5	0.8	C822J473+90****
0.056	26.5	15.0	6.0	22.5	0.8	C822J563+90****
0.068	26.5	15.0	6.0	22.5	0.8	C822J683+90****
0.082	26.5	15.0	6.0	22.5	0.8	C822J823+90****
0.10	26.5	15.0	6.0	22.5	0.8	C822J104+90****
0.12	26.5	16.0	7.0	22.5	0.8	C822J124+90****
0.15	26.5	17.0	8.5	22.5	0.8	C822J154+90****
0.18	26.5	17.0	8.5	22.5	0.8	C822J184+90****
0.22	26.5	18.5	10.0	22.5	0.8	C822J224+90****
0.27	26.5	22.0	12.0	22.5	0.8	C822J274+90****
0.33	26.5	22.0	12.0	22.5	0.8	C822J334+90****
0.39	26.5	22.0	12.0	22.5	0.8	C822J394+90****
0.15	32.0	18.0	9.0	27.5	0.8	C822J154+B0****
0.18	32.0	18.0	9.0	27.5	0.8	C822J184+B0****
0.22	32.0	18.0	9.0	27.5	0.8	C822J224+B0****
0.27	32.0	18.0	9.0	27.5	0.8	C822J274+B0****
0.33	32.0	20.0	11.0	27.5	0.8	C822J334+B0****
0.39	32.0	20.0	11.0	27.5	0.8	C822J394+B0****
0.47	32.0	22.0	13.0	27.5	0.8	C822J474+B0****
0.56	32.0	22.0	13.0	27.5	0.8	C822J564+B0****
0.68	32.0	24.5	15.0	27.5	0.8	C822J684+B0****
0.82	32.0	28.0	14.0	27.5	0.8	C822J824+B0****
1.0	32.0	33.0	18.0	27.5	0.8	C822J105+B0****
1.2	32.0	33.0	18.0	27.5	0.8	C822J125+B0****

备注：1. “+”表示容量偏差。“+”=capacitance tolerance code, M= ± 20%,K= ± 10%,J= ± 5%,H= ± 3%,G= ± 2%
2. “****”表示引线加工和包装代码(见table 1)。“****”=lead form and packaging code(refer to table 1)

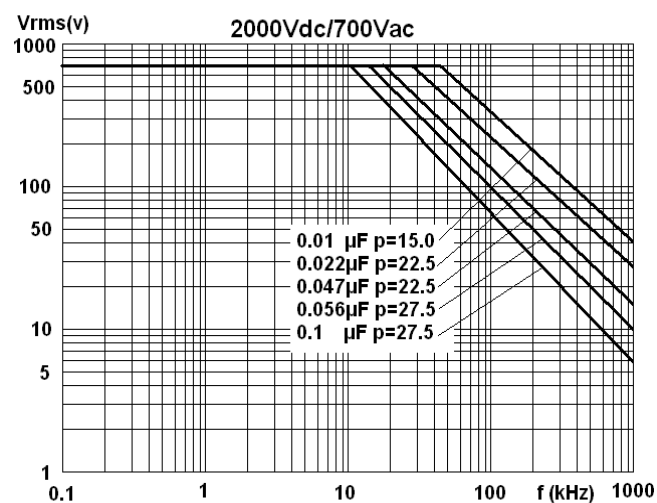
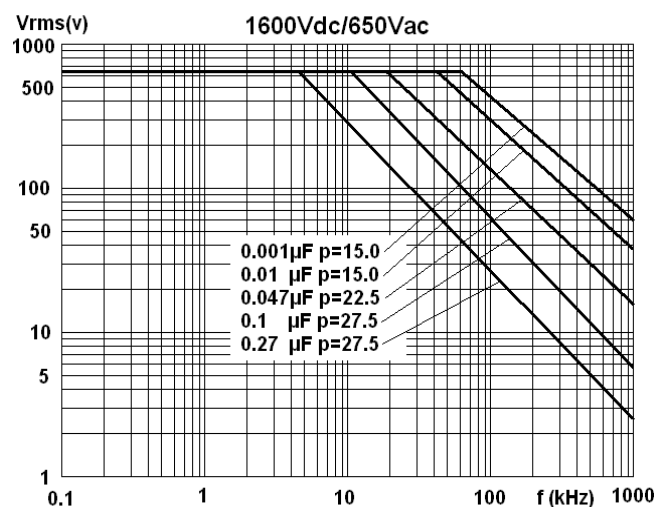
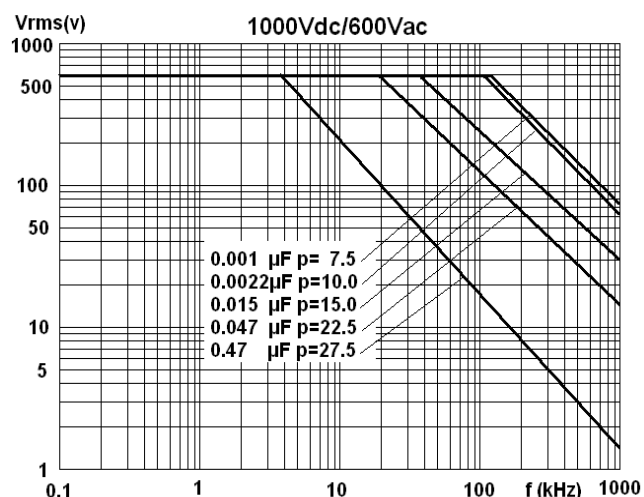
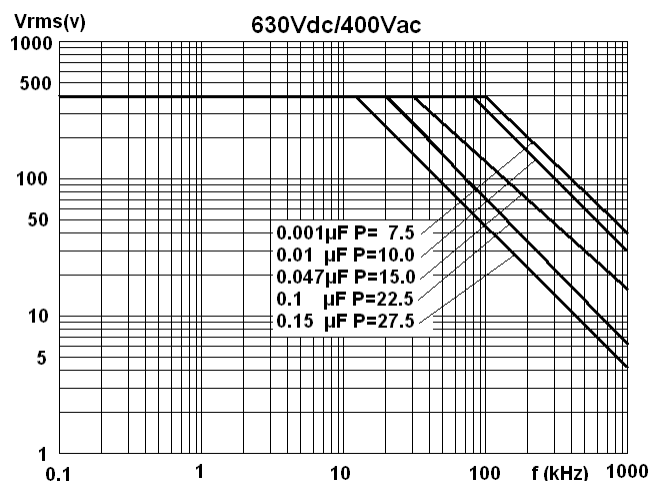
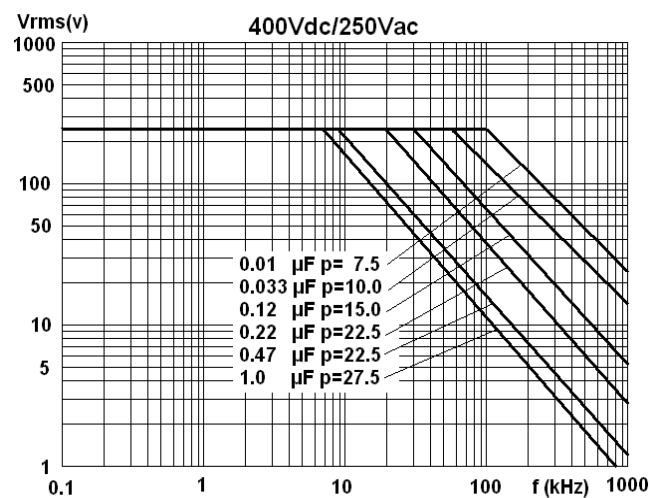
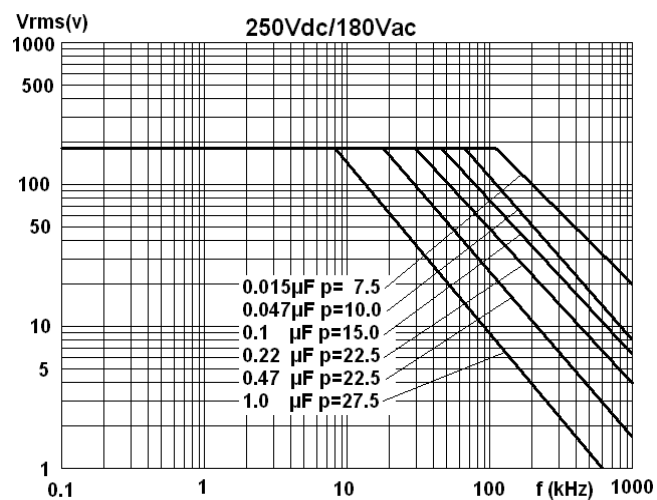
■ 续 Continued

1 000Vdc(600Vac)						
容量 (μF)	W	H	T	P	d	产品代码 Part number
0.00047	10.5	9.0	4.0	7.5	0.6	C823A471+30****
0.00056	10.5	9.0	4.0	7.5	0.6	C823A561+30****
0.00068	10.5	9.0	4.0	7.5	0.6	C823A681+30****
0.00082	10.5	9.0	4.0	7.5	0.6	C823A821+30****
0.0010	10.5	9.0	4.0	7.5	0.6	C823A102+30****
0.0012	10.5	11.0	5.0	7.5	0.6	C823A122+30****
0.0015	10.5	11.0	5.0	7.5	0.6	C823A152+30****
0.0018	10.5	11.0	5.0	7.5	0.6	C823A182+30****
0.0022	10.5	11.0	5.0	7.5	0.6	C823A222+30****
0.0027	10.5	12.0	6.0	7.5	0.6	C823A272+30****
0.0033	10.5	12.0	6.0	7.5	0.6	C823A332+30****
0.0010	13.0	9.0	4.0	10.0	0.6	C823A102+40****
0.0012	13.0	9.0	4.0	10.0	0.6	C823A122+40****
0.0015	13.0	9.0	4.0	10.0	0.6	C823A152+40****
0.0018	13.0	9.0	4.0	10.0	0.6	C823A182+40****
0.0022	13.0	9.0	4.0	10.0	0.6	C823A222+40****
0.0027	13.0	9.0	4.0	10.0	0.6	C823A272+40****
0.0033	13.0	9.0	4.0	10.0	0.6	C823A332+40****
0.0039	13.0	11.0	5.0	10.0	0.6	C823A392+40****
0.0047	13.0	11.0	5.0	10.0	0.6	C823A472+40****
0.0056	13.0	12.0	6.0	10.0	0.6	C823A562+40****
0.0068	13.0	12.0	6.0	10.0	0.6	C823A682+40****
0.0082	17.5	11.0	5.0	15.0	0.8	C823A822+60****
0.010	17.5	11.0	5.0	15.0	0.8	C823A103+60****
0.012	17.5	11.0	5.0	15.0	0.8	C823A123+60****
0.015	17.5	11.0	5.0	15.0	0.8	C823A153+60****
0.018	17.5	13.5	7.5	15.0	0.8	C823A183+60****
0.022	17.5	13.5	7.5	15.0	0.8	C823A223+60****
0.027	17.5	14.5	8.5	15.0	0.8	C823A273+60****
0.033	17.5	14.5	8.5	15.0	0.8	C823A333+60****
0.039	17.5	16.0	10.0	15.0	0.8	C823A393+60****
0.047	17.5	19.0	11.0	15.0	0.8	C823A473+60****
0.027	26.5	15.0	6.0	22.5	0.8	C823A273+90****
0.033	26.5	15.0	6.0	22.5	0.8	C823A333+90****
0.039	26.5	15.0	6.0	22.5	0.8	C823A393+90****
0.047	26.5	16.0	7.0	22.5	0.8	C823A473+90****
0.056	26.5	16.0	7.0	22.5	0.8	C823A563+90****
0.068	26.5	17.0	8.5	22.5	0.8	C823A683+90****
0.082	26.5	18.5	10.0	22.5	0.8	C823A823+90****
0.10	26.5	18.5	10.0	22.5	0.8	C823A104+90****
0.12	26.5	22.0	12.0	22.5	0.8	C823A124+90****
0.15	26.5	22.0	12.0	22.5	0.8	C823A154+90****
0.10	32.0	18.0	9.0	27.5	0.8	C823A104+B0****
0.12	32.0	20.0	11.0	27.5	0.8	C823A124+B0****
0.15	32.0	20.0	11.0	27.5	0.8	C823A154+B0****
0.18	32.0	22.0	13.0	27.5	0.8	C823A184+B0****
0.22	32.0	22.0	13.0	27.5	0.8	C823A224+B0****
0.27	32.0	24.5	15.0	27.5	0.8	C823A274+B0****
0.33	32.0	28.0	14.0	27.5	0.8	C823A334+B0****
0.39	32.0	33.0	18.0	27.5	0.8	C823A394+B0****
0.47	32.0	33.0	18.0	27.5	0.8	C823A474+B0****

1 400/1 600Vdc(650Vac)#						
容量 (μF)	W	H	T	P	d	产品代码 Part number
0.00068	17.5	11.0	5.0	15.0	0.8	C823C681+60****
0.00082	17.5	11.0	5.0	15.0	0.8	C823C821+60****
0.0010	17.5	11.0	5.0	15.0	0.8	C823C102+60****
0.0012	17.5	11.0	5.0	15.0	0.8	C823C122+60****
0.0015	17.5	11.0	5.0	15.0	0.8	C823C152+60****
0.0018	17.5	11.0	5.0	15.0	0.8	C823C182+60****
0.0022	17.5	11.0	5.0	15.0	0.8	C823C222+60****
0.0027	17.5	11.0	5.0	15.0	0.8	C823C272+60****
0.0033	17.5	11.0	5.0	15.0	0.8	C823C332+60****
0.0039	17.5	11.0	5.0	15.0	0.8	C823C392+60****
0.0047	17.5	11.0	5.0	15.0	0.8	C823C472+60****
0.0056	17.5	11.0	5.0	15.0	0.8	C823C562+60****
0.0068	17.5	11.0	5.0	15.0	0.8	C823C682+60****
0.0082	17.5	12.0	6.0	15.0	0.8	C823C822+60****
0.010	17.5	12.0	6.0	15.0	0.8	C823C103+60****
0.012	17.5	13.5	7.5	15.0	0.8	C823C123+60****
0.015	17.5	13.5	7.5	15.0	0.8	C823C153+60****
0.018	17.5	14.5	8.5	15.0	0.8	C823C183+60****
0.022	17.5	14.5	8.5	15.0	0.8	C823C223+60****
0.027	17.5	16.0	10.0	15.0	0.8	C823C273+60****
0.033	17.5	19.0	11.0	15.0	0.8	C823C333+60****
0.015	26.5	15.0	6.0	22.5	0.8	C823C153+90****
0.018	26.5	15.0	6.0	22.5	0.8	C823C183+90****
0.022	26.5	15.0	6.0	22.5	0.8	C823C223+90****
0.027	26.5	15.0	6.0	22.5	0.8	C823C273+90****
0.033	26.5	16.0	7.0	22.5	0.8	C823C333+90****
0.039	26.5	17.0	8.5	22.5	0.8	C823C393+90****
0.047	26.5	18.5	10.0	22.5	0.8	C823C473+90****
0.056	26.5	18.5	10.0	22.5	0.8	C823C563+90****
0.068	26.5	22.0	12.0	22.5	0.8	C823C683+90****
0.082	26.5	22.0	12.0	22.5	0.8	C823C823+90****
0.039	32.0	18.0	9.0	27.5	0.8	C823C393+B0****
0.047	32.0	18.0	9.0	27.5	0.8	C823C473+B0****
0.056	32.0	18.0	9.0	27.5	0.8	C823C563+B0****
0.068	32.0	18.0	9.0	27.5	0.8	C823C683+B0****
0.082	32.0	20.0	11.0	27.5	0.8	C823C823+B0****
0.10	32.0	20.0	11.0	27.5	0.8	C823C104+B0****
0.12	32.0	22.0	13.0	27.5	0.8	C823C124+B0****
0.15	32.0	24.5	15.0	27.5	0.8	C823C154+B0****
0.18	32.0	24.5	15.0	27.5	0.8	C823C184+B0****
0.22	32.0	33.0	18.0	27.5	0.8	C823C224+B0****
0.27	32.0	33.0	18.0	27.5	0.8	C823C274+B0****
0.33	32.0	33.0	18.0	27.5	0.8	C823C334+B0****



MAX. VOLTAGE($V_{r.m.s}$) VERSUS FREQUENCY



Note: sinusoidal wave-form、environment temperature $\leq 85^{\circ}\text{C}$, internal temperature rise $\Delta T=10^{\circ}\text{C}$, p (pitch) in mm..