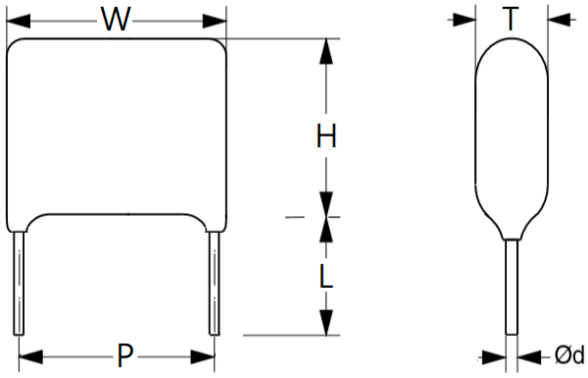
電容降壓用交流電容器 (浸漬型) - SMPJ series

AC Capacitor For Capacitive Divider (Dipped)

■ **外形圖 Outline Drawing (For Example)**



■ **典型應用 Typical Applications**

專門設計用於 100～240Vac 電源串聯的電容降壓電路

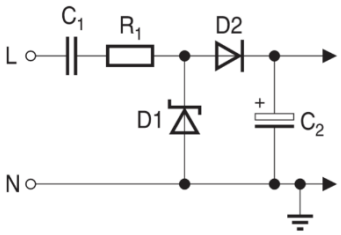
應用場合，例如: 電表、LED 模塊等

This is specifically designed for applications in serial

With the 100~240Vac main, i.e., Capacitive divider,

For example: Energy meter, LED driver etc.

電容 C_1 用作分壓器 The C_1 works as a voltage divider



■ **特徵 Features**

金屬化聚丙烯薄膜徑向鍍錫引線，

捲繞電容器技術

環氧樹脂塗層（UL 94 V-0）

Metallized polypropylene film with radial leads of

Tinned, Wound capacitor technology.

Epoxy resin coating (UL 94 V-0)

■ **規格 Specifications**

參考標準 Reference Standard	GB/T 14579 (IEC 60384-17)			
氣候類別 Climatic Category	40/105/21			
額定溫度 Rated Temperature	85℃			
工作溫度範圍 Operating Temperature Range	-40℃~+105℃ (+85℃ to +105℃: decreasing factor 1.25% per ℃ for U_R)			
容值範圍 Capacitance Range	0.01μF ~ 4.7μF			
額定交流電壓 Rated (AC) Voltage	160V	230V	250V	275V/300V
連續直流電壓 Maximum continuous DC voltage	250V	400V	560V	630V
容值公差 Capacitance Tolerance	±5%(J)、±10%(K)、±20%(M)			
耐電壓 Voltage Proof	U_R x 2.5, 5s (DC)			
損耗因素 Dissipation Factor	≤ 10 x 10^{-4} at 1kHz, (1Vrms Max. at 20℃)			
絕緣電阻 Insulation Resistance	C_R ≤ 0.33μF, IR ≥ 15000MΩ C_R > 0.33μF, IR x C_R ≥ 5000s (100Vdc, 60sec / 20℃)			

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■ 尺寸 Dimensions (mm)

160Vac (250Vdc)

Cap. μF	W	H	T	P	d	Part number
0.22	12.5	11	6	10	0.6	SMPJ_224+0160A*10**
0.27	12.5	11.5	6.5	10	0.6	SMPJ_274+0160A*10**
0.33	12.5	12.5	7	10	0.6	SMPJ_334+0160A*10**
0.39	12.5	13	7.5	10	0.6	SMPJ_394+0160A*10**
0.47	12.5	13.5	8.5	10	0.6	SMPJ_474+0160A*10**
0.56	12.5	14	9	10	0.6	SMPJ_564+0160A*10**
0.47	17.5	12	7	15	0.8	SMPJ_474+0160A*15**
0.56	17.5	12.5	7.5	15	0.8	SMPJ_564+0160A*15**
0.68	17.5	13	8	15	0.8	SMPJ_684+0160A*15**
0.82	17.5	13.5	8.5	15	0.8	SMPJ_824+0160A*15**
1.0	17.5	14.5	9.5	15	0.8	SMPJ_105+0160A*15**
1.2	17.5	16.5	9.5	15	0.8	SMPJ_125+0160A*15**
1.5	17.5	17.5	10.5	15	0.8	SMPJ_155+0160A*15**
1.8	17.5	18.5	11.5	15	0.8	SMPJ_185+0160A*15**
2.0	17.5	19	12.5	15	0.8	SMPJ_205+0160A*15**
2.2	17.5	19.5	13	15	0.8	SMPJ_225+0160A*15**

230Vac (400Vdc)

Cap. μF	W	H	T	P	d	Part number
0.033	10	12	6	7.5	0.6	SMPJ_333+0230A*08**
0.047	10	12	6	7.5	0.6	SMPJ_473+0230A*08**
0.033	12.5	9	5	10	0.6	SMPJ_333+0230A*10**
0.047	12.5	10	5.5	10	0.6	SMPJ_473+0230A*10**
0.068	12.5	11	6	10	0.6	SMPJ_683+0230A*10**
0.10	12.5	12	7	10	0.6	SMPJ_104+0230A*10**
0.10	17.5	10.5	5.5	15	0.8	SMPJ_104+0230A*15**
0.15	17.5	11	6.5	15	0.8	SMPJ_154+0230A*15**
0.22	17.5	12	7.5	15	0.8	SMPJ_224+0230A*15**
0.33	17.5	14.5	9	15	0.8	SMPJ_334+0230A*15**
0.39	17.5	14.5	9.5	15	0.8	SMPJ_394+0230A*15**

230Vac (400Vdc)

Cap. μF	W	H	T	P	d	Part number
0.47	17.5	15	10.5	15	0.8	SMPJ_474+0230A*15**
0.22	23	11	6.5	20	0.8	SMPJ_224+0230A*20**
0.33	23	12.5	7.5	20	0.8	SMPJ_334+0230A*20**
0.39	23	13	8	20	0.8	SMPJ_394+0230A*20**
0.47	23	14.5	8	20	0.8	SMPJ_474+0230A*20**
0.56	23	15	9	20	0.8	SMPJ_564+0230A*20**
0.68	23	16	9.5	20	0.8	SMPJ_684+0230A*20**
1.0	23	19	11	20	0.8	SMPJ_105+0230A*20**
0.33	25	13	6.5	22.5	0.8	SMPJ_334+0230A*23**
0.39	25	13.5	7	22.5	0.8	SMPJ_394+0230A*23**
0.47	25	14	7.5	22.5	0.8	SMPJ_474+0230A*23**
0.56	25	15.5	8.5	22.5	0.8	SMPJ_564+0230A*23**
0.68	25	15.5	9	22.5	0.8	SMPJ_684+0230A*23**
1.0	25	18	10.5	22.5	0.8	SMPJ_105+0230A*23**
1.5	25	21.5	12.5	22.5	0.8	SMPJ_155+0230A*23**
0.47	30	14.5	6.6	27.5	0.8	SMPJ_474+0230A*28**
0.56	30	15	7	27.5	0.8	SMPJ_564+0230A*28**
0.68	30	16.5	7.5	27.5	0.8	SMPJ_684+0230A*28**
1.0	30	17	9	27.5	0.8	SMPJ_105+0230A*28**
1.5	30	20	10.5	27.5	0.8	SMPJ_155+0230A*28**
2.0	30	24.5	11	27.5	0.8	SMPJ_205+0230A*28**
2.2	30	25	11.5	27.5	0.8	SMPJ_225+0230A*28**
3.0	30	27.5	14	27.5	0.8	SMPJ_305+0230A*28**
3.3	30	27.5	14.5	27.5	0.8	SMPJ_335+0230A*28**
4.0	30	29	16.5	27.5	0.8	SMPJ_405+0230A*28**
4.7	30	31.5	18	27.5	0.8	SMPJ_475+0230A*28**

(1) The symbol + means capacitance tolerance (J=±5%, K=±10%)

(2) The symbol * means style of lead forming

(3) The symbol ** means the lead length

電容降壓用交流電容器 (浸漬型) - SMPJ series

AC Capacitor For Capacitive Divider (Dipped)

■ 尺寸 Dimensions (mm)

250Vac (560Vdc)						
Cap. μF	W	H	T	P	d	Part number
0.010	12.5	8	4	10	0.6	SMPJ_103+0250A*10**
0.015	12.5	8	5	10	0.6	SMPJ_153+0250A*10**
0.022	12.5	9	5	10	0.6	SMPJ_223+0250A*10**
0.033	12.5	10	5.5	10	0.6	SMPJ_333+0250A*10**
0.047	12.5	11.5	6	10	0.6	SMPJ_473+0250A*10**
0.068	12.5	12.5	7	10	0.6	SMPJ_683+0250A*10**
0.068	17.5	10	5.5	15	0.8	SMPJ_683+0250A*15**
0.10	17.5	11	6.5	15	0.8	SMPJ_104+0250A*15**
0.15	17.5	12	7.5	15	0.8	SMPJ_154+0250A*15**
0.22	17.5	13.5	8.5	15	0.8	SMPJ_224+0250A*15**
0.33	17.5	15	10.5	15	0.8	SMPJ_334+0250A*15**
0.15	23	11	6.5	20	0.8	SMPJ_154+0250A*20**
0.22	23	12	7.5	20	0.8	SMPJ_224+0250A*20**
0.33	23	14.5	8	20	0.8	SMPJ_334+0250A*20**
0.39	23	15	8	20	0.8	SMPJ_394+0250A*20**
0.47	23	16	9.5	20	0.8	SMPJ_474+0250A*20**
0.56	23	17.5	10.5	20	0.8	SMPJ_564+0250A*20**
0.68	23	19.5	10	20	0.8	SMPJ_684+0250A*20**
0.22	25	13.5	6.5	22.5	0.8	SMPJ_224+0250A*23**
0.33	25	14	7.5	22.5	0.8	SMPJ_334+0250A*23**
0.39	25	15.5	8	22.5	0.8	SMPJ_394+0250A*23**
0.47	25	16	9	22.5	0.8	SMPJ_474+0250A*23**
0.56	25	16	9.5	22.5	0.8	SMPJ_564+0250A*23**
0.68	25	18	10	22.5	0.8	SMPJ_684+0250A*23**
1.0	25	20	12	22.5	0.8	SMPJ_105+0250A*23**
0.47	30	15.5	7.5	27.5	0.8	SMPJ_474+0250A*28**
0.56	30	16	8	27.5	0.8	SMPJ_564+0250A*28**
0.68	30	17.5	9	27.5	0.8	SMPJ_684+0250A*28**
1.0	30	19.5	10.5	27.5	0.8	SMPJ_105+0250A*28**
1.5	30	24	11.5	27.5	0.8	SMPJ_155+0250A*28**
2.0	30	26	13.5	27.5	0.8	SMPJ_205+0250A*28**
2.2	30	27.5	14	27.5	0.8	SMPJ_225+0250A*28**

250Vac (560Vdc)						
Cap. μF	W	H	T	P	d	Part number
3.0	30	29.5	16.5	27.5	0.8	SMPJ_305+0250A*28**
3.3	30	30	17.5	27.5	0.8	SMPJ_335+0250A*28**
4.0	30	32	19.5	27.5	0.8	SMPJ_405+0250A*28**

275V/300Vac (630Vdc)						
Cap. μF	W	H	T	P	d	Part number
0.10	17.5	14.5	9	15	0.8	SMPJ_104+0300A*15**
0.15	17.5	15.5	10.5	15	0.8	SMPJ_154+0300A*15**
0.22	17.5	18.5	12	15	0.8	SMPJ_224+0300A*15**
0.10	23	12	7.5	20	0.8	SMPJ_104+0300A*20**
0.15	23	14.5	9	20	0.8	SMPJ_154+0300A*20**
0.22	23	16	10	20	0.8	SMPJ_224+0300A*20**
0.33	23	18	12	20	0.8	SMPJ_334+0300A*20**
0.10	25	12	7	22.5	0.8	SMPJ_104+0300A*23**
0.15	25	13	8.5	22.5	0.8	SMPJ_154+0300A*23**
0.22	25	16.5	9	22.5	0.8	SMPJ_224+0300A*23**
0.33	25	17.5	11	22.5	0.8	SMPJ_334+0300A*23**
0.39	25	19	11.5	22.5	0.8	SMPJ_394+0300A*23**
0.47	25	20.5	12.5	22.5	0.8	SMPJ_474+0300A*23**
0.22	28	15	8.5	25	0.8	SMPJ_224+0300A*25**
0.27	28	16	9.5	25	0.8	SMPJ_274+0300A*25**
0.33	28	17.5	10.5	25	0.8	SMPJ_334+0300A*25**
0.39	28	18.5	11	25	0.8	SMPJ_394+0300A*25**
0.47	28	20.5	11.5	25	0.8	SMPJ_474+0300A*25**
0.56	28	21.5	12.5	25	0.8	SMPJ_564+0300A*25**
0.68	28	22	14	25	0.8	SMPJ_684+0300A*25**
0.82	28	24	14.5	25	0.8	SMPJ_824+0300A*25**
1.0	28	26	16.5	25	0.8	SMPJ_105+0300A*25**

(1) The symbol + means capacitance tolerance (J=±5%, K=±10%)

(2) The symbol * means style of lead forming

(3) The symbol ** means the lead length