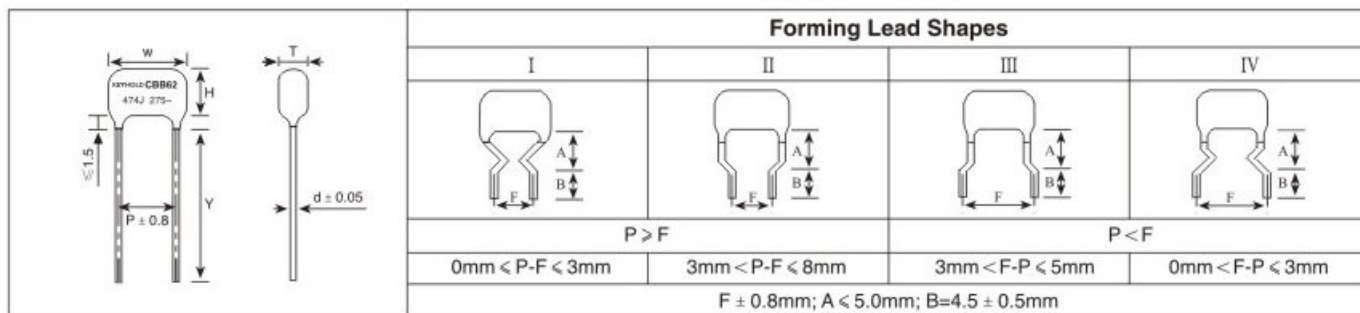


# 电容降压专用金属化聚丙烯膜交流电容器

## Metallized polypropylene film A.C. capacitor for capacitive divider

### ■ 外形图 Outline Drawing



### ■ 特点

- 专门设计用于与100Vac ~ 240Vac电源串联的电容降压电路应用场合，如电表、LED模块等。
- 金属化聚丙烯
- 自愈性能优异，能承受浪涌电压冲击
- 长期负载下优异的电容容量稳定性
- 阻燃环氧粉末包封（UL94/V-0）

### ■ Features

- This is specifically designed for applications in serial with the 100 ~ 240Vac main, i.e.: capacitive divider, for example, energy meter, LED driver etc.
- Metallized polypropylene structure
- Good self-healing properties,withstanding surge voltage stressing
- Long stability of capacitance
- Flame resistant epoxy resin powder coating (UL94/V-0)

### ■ 技术要求 Specifications

引用标准 Reference Standard	GB/T 14579(IEC 60384-17)			
气候类别 Climatic Category	40/085/21			
额定温度 Rated temperature	85℃			
工作温度范围 Operating Temperature Range	-40℃ ~ +85℃			
额定电压 Rated Voltage (U <sub>R</sub> )	160Vac,50/60Hz	230Vac,50/60Hz	250Vac,50/60Hz	300Vac,50/60Hz
最大连续直流电压 Maximum continuous DC voltage	250Vdc	400Vdc	560Vdc	630Vdc
电容量范围 Capacitance Range	0.22μF ~ 2.2μF	0.033μF ~ 4.7μF	0.010μF ~ 4.0μF	0.10μF ~ 1.0μF
耐电压 Voltage Proof (引线之间 Between Terminals)	400Vdc(2s)	640Vdc(2s)	900Vdc(2s)	1 500Vdc(2s)
电容量偏差 Capacitance Tolerance	± 5% ( J ) , ± 10% ( K ) , ± 20% ( M )			
绝缘电阻 Insulation Resistance	R ≥ 15 000MΩ, C <sub>N</sub> ≤ 0.33μF RC <sub>N</sub> ≥ 5 000s, C <sub>N</sub> > 0.33μF (20℃, 100V, 1min)			
损耗角正切 Dissipation Factor	≤ 10 x 10 <sup>-4</sup> (1kHz,20℃)		典型值 Typical value 2 x 10 <sup>-4</sup>	
	≤ 20 x 10 <sup>-4</sup> (10kHz,20℃)		典型值 Typical value 5 x 10 <sup>-4</sup>	
注：长寿命要求和连续使用请用 275Vac 及以上电压。 Note: For long life time and continuous working,please choose 275Vac and upwards voltage.				

■ 外形尺寸 Dimensions ( mm )

230Vac					
C <sub>N</sub> ( $\mu$ F)	W max	H max	T max	P	d
0.033	10.0	10.5	5.5	7.50	0.6
0.047	10.0	10.5	6.5	7.50	0.6
0.033	12.0	9.00	5.0	10.0	0.6
0.047	12.0	10.0	5.5	10.0	0.6
0.068	12.0	11.0	6.0	10.0	0.6
0.100	12.0	12.0	7.0	10.0	0.6
0.100	17.0	10.5	5.5	15.0	0.6
0.150	17.0	11.0	6.5	15.0	0.6
0.220	17.0	12.0	7.5	15.0	0.6
0.330	17.0	14.5	9.0	15.0	0.6
0.390	17.0	14.5	9.5	15.0	0.6
0.470	17.0	15.0	10.5	15.0	0.8
0.220	23.0	11.0	6.5	20.0	0.8
0.330	23.0	12.5	7.5	20.0	0.8
0.390	23.0	13.0	8.0	20.0	0.8
0.470	23.0	14.5	8.0	20.0	0.8
0.560	23.0	15.0	9.0	20.0	0.8
0.680	23.0	16.0	9.5	20.0	0.8
1.000	23.0	19.0	11.0	20.0	0.8
0.330	25.0	13.0	6.5	22.5	0.8
0.390	25.0	13.5	7.0	22.5	0.8
0.470	25.0	14.0	7.5	22.5	0.8
0.560	25.0	15.5	8.5	22.5	0.8
0.680	25.0	15.5	9.0	22.5	0.8
1.000	25.0	18.0	10.5	22.5	0.8
1.500	25.0	21.5	12.5	22.5	0.8
1.000	28.0	18.5	9.5	25.0	0.8
1.500	28.0	20.5	11.0	25.0	0.8
2.000	28.0	22.5	13.0	25.0	0.8
2.200	28.0	23.0	13.5	25.0	0.8
0.470	30.0	14.5	6.5	27.5	0.8
0.560	30.0	15.0	7.0	27.5	0.8
0.680	30.0	16.5	7.5	27.5	0.8
1.000	30.0	17.0	9.0	27.5	0.8
1.500	30.0	20.0	10.5	27.5	0.8
2.000	30.0	24.5	11.0	27.5	0.8
2.200	30.0	24.5	11.0	27.5	0.8
3.000	30.0	27.5	14.0	27.5	0.8
3.300	30.0	27.5	14.5	27.5	0.8
4.000	30.0	29.0	16.5	27.5	0.8
4.700	30.0	31.5	18.0	27.5	0.8

250Vac					
C <sub>N</sub> ( $\mu$ F)	W max	H max	T max	P	d
0.010	12.0	8.00	4.00	10.0	0.6
0.015	12.0	8.00	5.00	10.0	0.6
0.022	12.0	9.00	5.00	10.0	0.6
0.033	12.0	10.0	5.50	10.0	0.6
0.047	12.0	11.5	6.00	10.0	0.6
0.068	12.0	12.5	7.00	10.0	0.6
0.068	17.0	10.0	5.50	15.0	0.6
0.100	17.0	11.0	6.50	15.0	0.6
0.150	17.0	12.0	7.50	15.0	0.6
0.220	17.0	13.5	8.50	15.0	0.6
0.330	17.0	15.0	10.5	15.0	0.8
0.150	23.0	11.0	6.50	20.0	0.8
0.220	23.0	12.0	7.50	20.0	0.8
0.330	23.0	14.5	8.00	20.0	0.8
0.390	23.0	15.0	8.00	20.0	0.8
0.470	23.0	16.0	9.50	20.0	0.8
0.560	23.0	17.5	10.5	20.0	0.8
0.680	23.0	19.5	10.0	20.0	0.8
0.220	25.0	13.5	6.50	22.5	0.8
0.330	25.0	14.0	7.50	22.5	0.8
0.390	25.0	15.5	8.00	22.5	0.8
0.470	25.0	15.0	9.00	22.5	0.8
0.560	25.0	16.0	9.50	22.5	0.8
0.680	25.0	18.0	10.0	22.5	0.8
1.000	25.0	20.0	12.0	22.5	0.8
0.330	28.0	15.5	6.00	25.0	0.8
0.390	28.0	15.0	7.50	25.0	0.8
0.470	28.0	16.5	8.00	25.0	0.8
0.560	28.0	16.5	8.50	25.0	0.8
0.680	28.0	17.0	9.50	25.0	0.8
1.000	28.0	19.0	11.5	25.0	0.8
1.500	28.0	25.5	12.0	25.0	0.8
2.000	28.0	27.0	14.0	25.0	0.8
2.200	28.0	28.5	15.0	25.0	0.8
3.300	28.0	31.5	18.0	25.0	0.8
0.470	30.0	15.5	7.50	27.5	0.8
0.560	30.0	16.0	8.00	27.5	0.8
0.680	30.0	17.5	9.00	27.5	0.8
1.000	30.0	19.5	10.5	27.5	0.8
1.500	30.0	24.0	11.5	27.5	0.8
2.000	30.0	26.0	13.5	27.5	0.8
2.200	30.0	27.5	14.0	27.5	0.8
3.000	30.0	29.5	16.5	27.5	0.8
3.300	30.0	30.0	17.5	27.5	0.8
4.000	30.0	32.0	19.5	27.5	0.8

300Vac <sup>#</sup>					
C <sub>N</sub> ( $\mu$ F)	W max	H max	T max	P	d
0.10	17.0	14.5	9.00	15.0	0.6
0.15	17.0	15.5	10.5	15.0	0.8
0.22	17.0	18.5	12.0	15.0	0.8
0.10	23.0	12.0	7.50	20.0	0.8
0.15	23.0	14.5	9.00	20.0	0.8
0.22	23.0	16.0	10.0	20.0	0.8
0.33	23.0	18.0	12.0	20.0	0.8
0.10	25.0	12.0	7.00	22.5	0.8
0.15	25.0	13.0	8.50	22.5	0.8
0.22	25.0	16.5	9.00	22.5	0.8
0.33	25.0	17.5	11.0	22.5	0.8
0.39	25.0	19.0	11.5	22.5	0.8
0.47	25.0	20.5	12.5	22.5	0.8
0.22	28.0	15.0	8.50	25.0	0.8
0.27	28.0	16.0	9.50	25.0	0.8
0.33	28.0	17.5	10.5	25.0	0.8
0.36	28.0	17.0	10.0	25.0	0.8
0.39	28.0	18.5	11.0	25.0	0.8
0.41	28.0	18.0	11.5	25.0	0.8
0.43	28.0	18.0	11.0	25.0	0.8
0.45	28.0	19.0	11.5	25.0	0.8
0.47	28.0	20.5	11.5	25.0	0.8
0.49	28.0	20.5	12.0	25.0	0.8
0.51	28.0	20.0	12.0	25.0	0.8
0.56	28.0	21.5	12.5	25.0	0.8
0.68	28.0	22.0	14.0	25.0	0.8
0.75	28.0	23.5	14.5	25.0	0.8
0.82	28.0	24.0	14.5	25.0	0.8
1.00	28.0	26.0	16.5	25.0	0.8

160Vac					
C <sub>N</sub> ( $\mu$ F)	W max	H max	T max	P	d
0.22	13.0	11.0	6.00	10.0	0.6
0.27	13.0	11.5	6.50	10.0	0.6
0.33	13.0	12.5	7.00	10.0	0.6
0.39	13.0	13.0	7.50	10.0	0.6
0.47	13.0	13.5	8.50	10.0	0.6
0.56	13.0	14.0	9.00	10.0	0.6
0.47	17.5	12.0	7.00	15.0	0.6
0.56	17.5	12.5	7.50	15.0	0.6
0.68	17.5	13.0	8.00	15.0	0.6
0.82	17.5	13.5	8.50	15.0	0.6
1.00	17.5	14.5	9.50	15.0	0.6
1.20	17.5	16.5	9.50	15.0	0.8
1.50	17.5	17.5	10.5	15.0	0.8
1.80	17.5	18.5	11.5	15.0	0.8
2.00	17.5	19.0	12.5	15.0	0.8
2.20	17.5	19.5	13.0	15.0	0.8

备注：“-”表示容量偏差。 “-”=capacitance tolerance code, M=±20%,K=±10%,J=±5%