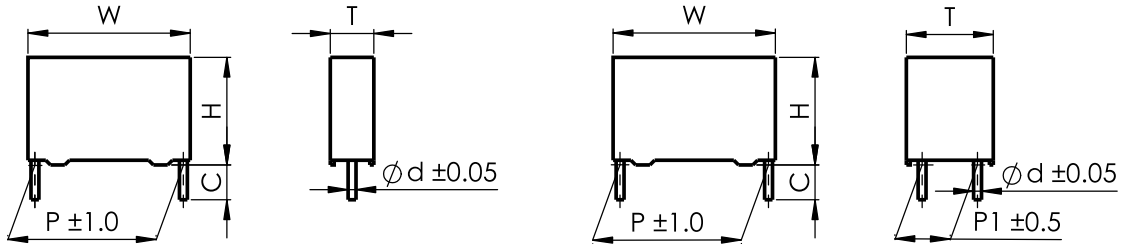




交流输出滤波电容器 (PCB) A.C.output filter capacitors for PCB

■ 外形图 Outline Drawing



■ 特点

- 自愈
- 金属化聚丙烯膜结构
- 适用于小功率交流输出滤波电路，如UPS、太阳能光伏DC/AC逆变器中的LCL滤波。

■ Features

- Self-healing
- Metallized polypropylene film structure
- Suitable for small power AC output filter, i.e. UPS, Solar Photovoltaic DC/AC inverter with LCL filter.

■ 技术要求 Specifications

引用标准 Reference Standard	GB/T 17702 (IEC 61071)			
气候类别 Climatic Category	40/85/21			
最高工作温度 (外壳温度) Max operating temperature range (Case)	-40°C ~ +105°C 70°C (+70°C to +105°C: decreasing factor 1.5% per °C for U _{rms})			
额定均方根电压 Rated RMS Voltage (U _{rms})	160Vac	250Vac	300Vac	350Vac
额定交流电压 Rated a.c. Voltage (U _N)	250Vac	350Vac	425Vac	450Vac
最大连续直流电压 Maximum continuous DC voltage	300Vdc	475Vdc	560Vdc	600Vdc
电容量范围 Capacitance Range	4.0μF ~ 70.0μF	1.0μF ~ 40.0μF	1.0μF ~ 28.0μF	0.33μF ~ 27.0μF
电容量偏差 Capacitance Tolerance	± 5% (J) , ± 10% (K)			
耐电压 Voltage Proof	引线之间 Between Terminals:	1.5U _N (Vac) (10s)		
	极壳之间 Between Terminals To Case:	3 000Vac(60s)		
绝缘电阻 Insulation Resistance (IR × C _N)	≥ 3 000s (20°C , 100Vdc , 1min)			
损耗角正切 Dissipation Factor	≤ 20 × 10 ⁻⁴ (1kHz,20°C) (Typical value, 15 × 10 ⁻⁴)			

A.C.output filter capacitors for PCB

尺寸 Dimensions(mm)

Vac	Cap	Dimensions					Irms 10KHz 70°C A	Peak Current A	ESR _{10K} Typical mΩ	ESL nH	Thermal Res °C/W	dv/dt V/us	Lead	Part Number
	Value	W	H	T	P	P1							Wire	
	uF	mm	mm	mm	mm	mm							mm	
160	1	32	20	11	27.5	\	5	32	30.3	24	19.8	32	0.8	
160	2.2	32	20	11	27.5	\	7	70.4	15.3	24	20.0	32	0.8	
160	3.3	32	22	13	27.5	\	7	105.6	11.3	24	27.1	32	0.8	
160	5	32	28	14	27.5	\	7	160	8.8	26	34.8	32	0.8	
160	10	32	33	18	27.5	\	7	320	6.8	26	45.0	32	0.8	
160	10	42.5	37	28	37.5	10.2	12	220	7.2	30	14.5	22	1.2	
160	20	42.5	37	28	37.5	10.2	12	440	6.9	30	15.1	22	1.2	
160	30	42.5	45	30	37.5	20.3	12	660	7.4	30	14.1	22	1.2	
160	40	57.5	45	30	52.5	20.3	12	640	7.6	35	13.7	16	1.2	
160	50	57.5	50	35	52.5	20.3	12	800	7.5	35	13.9	16	1.2	
250	1	32	20	11	27.5	\	8	40	14.0	24	16.7	40	0.8	
250	1.5	32	20	11	27.5	\	8	60	10.0	24	23.4	40	0.8	
250	2	32	22	13	27.5	\	9	80	8.2	24	22.6	40	0.8	
250	3.3	32	28	14	27.5	\	9	132	6.2	26	29.9	40	0.8	
250	4	32	33	18	27.5	\	9	160	5.9	26	31.4	40	0.8	
250	5	32	33	18	27.5	\	9	200	5.2	26	35.6	40	0.8	
250	6.8	32	37	22	27.5	\	9	272	4.9	28	15.6	40	1.2	
250	10	42.5	40	20	37.5	10.2	14	300	5.6	30	13.7	30	1.2	
250	15	42.5	37	28	37.5	10.2	14	450	5.2	30	14.7	30	1.2	
250	20	42.5	45	30	37.5	20.3	14	600	4.8	30	15.9	30	1.2	
250	25	57.5	45	30	52.5	20.3	14	625	5.7	35	13.4	25	1.2	
250	30	57.5	45	30	52.5	20.3	14	750	5.3	35	14.4	25	1.2	
250	35	57.5	50	35	52.5	20.3	14	875	5.5	35	13.9	25	1.2	
250	40	57.5	50	35	52.5	20.3	14	1000	5.2	35	14.7	25	1.2	
275	1	32	20	11	27.5	\	8	40	13.0	24	18.0	40	0.8	
275	3.3	32	33	18	27.5	\	9	132	6.2	26	29.9	40	0.8	
275	6.8	32	37	22	27.5	\	9	272	4.7	28	39.4	40	0.8	
275	10	42.5	40	20	37.5	10.2	14	300	5.9	30	13.0	30	1.2	
275	15	42.5	45	30	37.5	20.3	14	450	5.1	30	15.0	30	1.2	
275	20	57.5	45	30	52.5	20.3	14	500	6.0	35	12.8	25	1.2	
275	30	57.5	50	35	52.5	20.3	14	750	5.3	35	14.4	25	1.2	
350	0.68	32	20	11	27.5	\	8	30.6	15.0	24	15.6	45	0.8	
350	1	32	22	13	27.5	\	9	45	10.9	24	17	45	0.8	
350	2	32	33	18	27.5	\	9	90	7.3	26	25.4	45	0.8	
350	2.2	32	33	18	27.5	\	9	99	6.9	26	26.8	45	0.8	
350	3.3	32	37	22	27.5	\	9	148.5	5.7	28	32.5	45	0.8	
350	4.7	42.5	40	20	37.5	10.2	14	159.8	6.9	30	11.1	34	1.2	
350	5	42.5	40	20	37.5	10.2	14	170	6.8	30	11.3	34	1.2	
350	6.8	42.5	37	28	37.5	10.2	14	231.2	6.2	30	12.3	34	1.2	
350	10	42.5	45	30	37.5	20.3	14	340	5.3	30	14.4	34	1.2	
350	12	57.5	45	30	52.5	20.3	14	336	6.8	35	11.3	28	1.2	
350	20	57.5	50	35	52.5	20.3	14	560	5.9	35	13.0	28	1.2	
400	0.47	32	20	11	27.5	\	7	23.5	18.6	24	16.5	50	0.8	
400	1	32	28	14	27.5	\	9	50	10.3	26	18	50	0.8	
400	1.5	32	33	18	27.5	\	9	75	8.1	26	22.9	50	0.8	
400	2.2	32	33	18	27.5	\	9	110	6.4	26	28.9	50	0.8	
400	3	32	37	22	27.5	\	9	150	5.7	28	32.5	50	0.8	
400	5	42.5	37	28	37.5	10.2	14	200	6.2	30	12.3	40	1.2	
400	10	57.5	45	30	52.5	20.3	14	350	6.9	35	11.1	35	1.2	
400	15	57.5	50	35	52.5	20.3	14	525	6.1	35	12.5	35	1.2	
450	0.22	32	20	11	27.5	\	5	12.1	30.9	24	19.4	55	0.8	
450	0.47	32	22	13	27.5	\	8	25.85	15.7	24	14.9	55	0.8	
450	1	32	33	18	27.5	\	8	55	9.2	26	25.5	55	0.8	
450	1.5	32	37	22	27.5	\	8	82.5	7.3	28	32.1	55	0.8	
450	3.3	42.5	37	28	37.5	10.2	14	148.5	7.4	30	10.3	45	1.2	
450	4.7	42.5	45	30	37.5	20.3	14	211.5	6.2	30	12.3	45	1.2	
450	6.8	57.5	45	30	52.5	20.3	14	258.4	7.5	35	10.2	38	1.2	
450	10	57.5	50	35	52.5	20.3	14	380	6.6	35	11.6	38	1.2	