

CBB66A 型交流输出滤波电容器(PCB)

CBB66A Type AC Output Filter Capacitor (PCB)

< 60°C/93%RH /1000h /U_r >

◆ 外形图 Outline Drawing

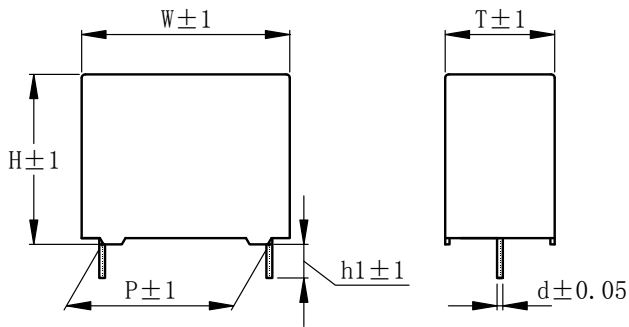


图 1: 2Pins

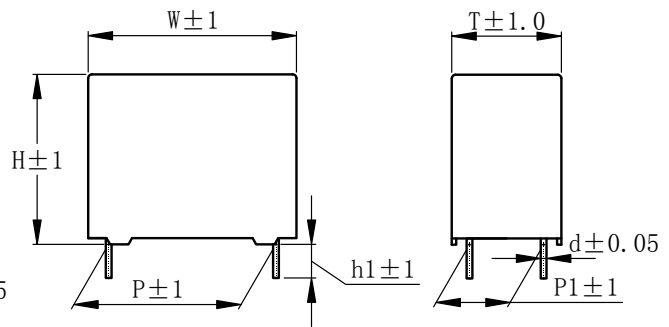


图 2: 4Pins

◆ 特点及用途 Application and Feature


金属化聚丙烯薄膜卷绕，适用于小功率交流滤波电路，如 UPS，太阳能光伏 DC/AC 逆变器中的滤波。

Metallized polypropylene film capacitor, suitable for small power AC output filter, for example: UPS, solar photovoltaic DC/AC inverter with filter.

◆ 技术标准

参照标准 Reference Standard	GB/T 17702、IEC 61071	
气候类别 Climatic Category	40/85/56	
额定交流电压 Rated AC Voltage	180Vac ~ 550Vac	
额定直流电压 Rated DC Voltage	300Vdc~1000Vdc	
电容量范围 Capacitance Range	0.47μF~60.0μF	
工作温度范围(热点) Operation Temperature Range(Hot Spot)	-40°C~105°C (+85°C~+105°C: 1.5%/°C of U _{OP} derating compared to U _r at 85°C)	
电容量偏差 Capacitance Tolerance	±5%(J)、±10%(K) (20±5°C, 1kHz)	
耐电压 Voltage Proof	极间 Between terminals	U=1.5U _{NDC} (20°C, 10s)
	极壳 Between terminals to case	2000Vac(10s), 50Hz
绝缘电阻 Insulation Resistance	IR×C≥30 000s(20°C, 100Vdc, 1min)	
损耗角正切 Dissipation Factor	Tan δ≤20×10 ⁻⁴ (1KHz, 20°C)	
工作寿命 Operation Life Time	>60 000 hours at 0.9 U _r , Θ _{max} =70°C	

◆ 安全认证 Safety Approvals

	UL-CUL (美国/加拿大)	UL810, CSA C22.2 No. 190, (construction only) 证书号 (File No.) :E477437
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◆ **产品代码编写说明： Part number code system:**

16 位产品代码如下： The 16 digits part number is formed as follow:

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
C	6	6	A												

第 1~4 位	薄膜电容器系列代码 C66A=CBB66A	Digit 1~4	Series code of film capacitor C66A=CBB66A
第 5~7 位	标称容量代码 举例：105=10×10 ⁵ pF=1μF	Digit 5~7	Rated capacitance value code For example: 105=10×10 ⁵ pF=1μF
第 8 位	容量等级代码 J=±5%K=±10%	Digit 8	Capacitance tolerance code J=±5%K=±10%
第 9~10 位	交流额定电压代码 M2=180Vac E2=250Vac F2=300Vac Q3=350Vac G2=400Vac S2=450Vac H2=500Vac T1=550Vac	Digit 9~10	AC rated voltage code M2=180Vac E2=250Vac F2=300Vac Q3=350Vac G2=400Vac S2=450Vac H2=500Vac T1=550Vac
第 11 位	引线间距 B=27.5mm E=37.5mm G=52.5mm	Digit 11	Pitch B=27.5mm E=37.5mm G=52.5mm
第 12 位	内部特征码	Digit 12	Internal use
第 13~16 位	引出端代码 见表 1	Digit 13~16	Terminals code Referring to table 1
表 1	引线形式代码	Table 1	Lead form code

第13位 Digit13		第14~15位 Digit14~Digit15		第 16 位 Digit16	
引线形式及P1 Lead form and pitch P1		引线长度 Lead length		引线长度偏差 Length tolerance	
代码 Code	说明 explanation	代码 Code	说明 explanation	代码 Code	说明 explanation
0	2Pins P1=0mm	00	标准引线长度5.5mm standard lead length 5.5mm	0	引线长度偏差±1.0mm Length tolerance±1.0mm
1	4Pins P1=10.2mm				
2	4Pins P1=12.7mm				
3	4Pins P1=20.3mm				

◆ 产品尺寸及性能参数: Product Dimension and Characteristic Data:

U _r =180Vac / U _{NDC} =300Vdc											
C (μF)	W	H	T	P	P1	d	ESR@10KHz	\hat{I}	\hat{I}_s	I _{RMS} (A)	产品代码 Part number
							(mΩ)	(A)	(A)		
4	32.0	22.0	13.0	27.5	-	0.8	6.1	280	840	7	C66A405-M2B0****
5	32.0	28.0	14.0	27.5	-	0.8	5.2	350	1050	8.5	C66A505-M2B0****
6.8	32.0	33.0	18.0	27.5	-	0.8	3.8	476	1428	10	C66A685-M2B0****
10	32.0	33.0	18.0	27.5	-	0.8	2.8	700	2100	10	C66A106-M2B0****
10	42.0	32.0	17.0	37.5	-	1.0	4.8	400	1200	11	C66A106-M2E0****
15	42.0	37.0	22.0	37.5	-	1.0	3.5	600	1800	14	C66A156-M2E0****
18	42.0	36.0	23.0	37.5	-	1.2	3.0	720	2160	15	C66A186-M2E0****
20	42.0	36.0	23.0	37.5	-	1.2	2.8	800	2400	16	C66A206-M2E0****
22	42.0	41.0	26.0	37.5	-	1.2	2.7	880	2640	17.5	C66A226-M2E0****
25	42.0	41.0	26.0	37.5	-	1.2	2.5	1000	3000	18	C66A256-M2E0****
30	42.0	45.0	30.0	37.5	-	1.2	2.3	1200	3600	18	C66A306-M2E0****
33	42.0	45.0	30.0	37.5	-	1.2	2.2	1320	3960	18	C66A336-M2E0****
40	57.0	43.5	29.5	52.5	20.3	1.2	2.5	800	2400	22	C66A406-M2G03***
43	57.0	43.5	29.5	52.5	20.3	1.2	2.3	860	2580	22.5	C66A436-M2G03***
50	57.0	50.0	35.0	52.5	20.3	1.2	2.1	1000	3000	26	C66A506-M2G03***
60	57.0	50.0	35.0	52.5	20.3	1.2	1.9	1200	3600	27.5	C66A606-M2G03***

U _r =250Vac / U _{NDC} =450Vdc											
C (μF)	W	H	T	P	P1	d	ESR@10KHz	\hat{I}	\hat{I}_s	I _{RMS} (A)	产品代码 Part number
							(mΩ)	(A)	(A)		
1	32.0	18.0	9.0	27.5	-	0.8	18.2	90	270	3.5	C66A105-E2B0****
1.5	32.0	20.0	11.0	27.5	-	0.8	12.4	135	405	4.5	C66A155-E2B0****
2	32.0	22.0	13.0	27.5	-	0.8	9.5	180	540	5.5	C66A205-E2B0****
2.2	32.0	22.0	13.0	27.5	-	0.8	8.7	198	594	6	C66A225-E2B0****
2.5	32.0	22.0	13.0	27.5	-	0.8	7.8	225	675	6	C66A255-E2B0****
3	32.0	24.5	15.0	27.5	-	0.8	6.7	270	810	7	C66A305-E2B0****
3.3	32.0	24.5	15.0	27.5	-	0.8	6.2	297	891	7.5	C66A335-E2B0****
3.5	32.0	28.0	14.0	27.5	-	0.8	5.9	315	945	8	C66A355-E2B0****
4	32.0	33.0	18.0	27.5	-	0.8	5.1	360	1080	9.5	C66A405-E2B0****
4.5	32.0	33.0	18.0	27.5	-	0.8	4.6	405	1215	10	C66A455-E2B0****
5	32.0	33.0	18.0	27.5	-	0.8	4.2	450	1350	10	C66A505-E2B0****
6.8	32.0	37.0	22.0	27.5	-	0.8	3.4	612	1836	10	C66A685-E2B0****
4.7	42.0	26.0	15.0	37.5	-	1.0	7.7	282	846	7.5	C66A475-E2E0****
5	42.0	28.0	14.0	37.5	-	1.0	7.3	300	900	8	C66A505-E2E0****
6	42.0	32.0	17.0	37.5	-	1.0	6.3	360	1080	9.5	C66A605-E2E0****
6.5	42.0	32.0	17.0	37.5	-	1.0	5.8	390	1170	10	C66A655-E2E0****
6.8	42.0	33.5	18.5	37.5	-	1.0	5.6	408	1224	10.5	C66A685-E2E0****
5	42.0	28.0	14.0	37.5	-	1.0	7.3	300	900	8	C66A505-E2E0****



CBB66A

CBB66A series

◆ 产品尺寸及性能参数: Product Dimension and Characteristic Data:

Ur=250Vac / UNDC=450Vdc												
C (μF)	W	H	T	P	Pl	d	ESR@10KHz	\hat{I}	\hat{I}_s	I _{RMS} (A)	产品代码 Part number	
							(mΩ)	(A)	(A)			
7.5	42.0	33.5	18.5	37.5	-	1.0	5.2	450	1350	11	C66A755-E2E0****	
8	42.0	37.0	22.0	37.5	-	1.0	5.0	480	1440	12	C66A805-E2E0****	
10	42.0	37.0	22.0	37.5	-	1.0	4.1	600	1800	13	C66A106-E2E0****	
12	42.0	41.0	26.0	37.5	-	1.2	3.6	720	2160	15	C66A126-E2E0****	
14	42.0	41.0	26.0	37.5	-	1.2	2.8	840	2520	16.5	C66A146-E2E0****	
15	42.0	41.0	26.0	37.5	-	1.2	3.1	900	2700	17	C66A156-E2E0****	
16	42.0	41.0	26.0	37.5	-	1.2	2.5	960	2880	18	C66A166-E2E0****	
17	42.0	41.0	26.0	37.5	-	1.2	2.4	1020	3060	18	C66A176-E2E0****	
18	42.0	43.0	28.0	37.5	-	1.2	2.8	1080	3240	18	C66A186-E2E0****	
20	42.0	45.0	30.0	37.5	-	1.2	2.6	1200	3600	18	C66A206-E2E0****	
22	42.0	45.0	30.0	37.5	-	1.2	2.5	1320	3960	18	C66A226-E2E0****	
25	57.0	43.5	29.5	52.5	20.3	1.2	3.0	750	2250	19.5	C66A256-E2G03***	
30	57.0	43.5	29.5	52.5	20.3	1.2	2.6	900	2700	21.5	C66A306-E2G03***	
35	57.0	50.0	35.0	52.5	20.3	1.2	2.4	1050	3150	24.5	C66A356-E2G03***	
40	57.0	50.0	35.0	52.5	20.3	1.2	2.1	1200	3600	26	C66A406-E2G03***	

Ur=300Vac / UNDC=560Vdc												
C (μF)	W	H	T	P	Pl	d	ESR@10KHz	\hat{I}	\hat{I}_s	I _{RMS} (A)	产品代码 Part number	
							(mΩ)	(A)	(A)			
1	32.0	20.0	11.0	27.5	-	1.0	15.8	100	300	4	C66A105-F2B0****	
1	32.0	20.0	11.0	27.5	-	0.8	15.8	100	300	4	C66A105-F2B1****	
1.5	32.0	22.0	13.0	27.5	-	0.8	10.8	150	450	5	C66A155-F2B0****	
2	32.0	24.5	15.0	27.5	-	0.8	8.4	200	600	6.5	C66A205-F2B0****	
2.2	32.0	24.5	15.0	27.5	-	0.8	7.7	220	660	6.5	C66A225-F2B0****	
2.5	32.0	28.0	14.0	27.5	-	0.8	7.0	250	750	7	C66A255-F2B0****	
3	32.0	33.0	18.0	27.5	-	0.8	5.8	300	900	9	C66A305-F2B0****	
3.3	32.0	33.0	18.0	27.5	-	0.8	5.3	330	990	9.5	C66A335-F2B0****	
3.5	32.0	33.0	18.0	27.5	-	0.8	5.0	350	1050	9.5	C66A355-F2B0****	
4	32.0	33.0	18.0	27.5	-	0.8	4.5	400	1200	10	C66A405-F2B0****	
4.7	32.0	37.0	22.0	27.5	-	0.8	4.0	470	1410	10	C66A475-F2B1****	
4.7	32.0	37.0	22.0	27.5	-	1.2	4.0	470	1410	12	C66A475-F2B0****	
5	32.0	37.0	22.0	27.5	-	1.2	3.8	500	1500	12	C66A505-F2B0****	
6.8	32.0	37.0	22.0	27.5	-	1.2	3.0	680	2040	13.5	C66A685-F2B0****	
3	42.0	26.0	15.0	37.5	-	1.0	10.0	210	630	6.5	C66A305-F2E0****	
3.3	42.0	26.0	15.0	37.5	-	1.0	9.2	231	693	7	C66A335-F2E0****	
3.5	42.0	28.0	14.0	37.5	-	1.0	8.7	245	735	7.5	C66A355-F2E0****	
4	42.0	32.0	17.0	37.5	-	1.0	7.8	280	840	8.5	C66A405-F2E0****	
4.5	42.0	32.0	17.0	37.5	-	1.0	7.0	315	945	9	C66A455-F2E0****	
4.7	42.0	32.0	17.0	37.5	-	1.0	6.7	329	987	9	C66A475-F2E0****	
5	42.0	33.5	18.5	37.5	-	1.0	6.4	350	1050	9.5	C66A505-F2E0****	
6	42.0	33.5	18.5	37.5	-	1.0	5.4	420	1260	10.5	C66A605-F2E0****	
6.8	42.0	37.0	22.0	37.5	-	1.0	4.9	476	1428	12	C66A685-F2E0****	

◆ 产品尺寸及性能参数: Product Dimension and Characteristic Data:

Ur=300Vac / UNDC=560Vdc											
C (μF)	W	H	T	P	P1	d	ESR@10KHz	\hat{I}	\hat{I}_s	I _{RMS} (A)	产品代码 Part number
							(mΩ)	(A)	(A)		
8	42.0	37.0	22.0	37.5	-	1.0	4.3	560	1680	12.5	C66A805-F2E0****
10	42.0	41.0	26.0	37.5	-	1.2	3.7	700	2100	15	C66A106-F2E0****
12	42.0	43.0	28.0	37.5	-	1.2	3.3	840	2520	16.5	C66A126-F2E0****
15	42.0	45.0	30.0	37.5	-	1.2	2.8	1050	3150	18	C66A156-F2E0****
18	57.0	43.5	29.5	52.5	20.3	1.2	3.5	720	2160	18.5	C66A186-F2G03***
20	57.0	43.5	29.5	52.5	20.3	1.2	3.2	800	2400	19.5	C66A206-F2G13***
20	57.0	45.0	30.0	52.5	20.3	1.2	3.2	800	2400	19.5	C66A206-F2G03***
22	57.0	43.5	29.5	52.5	20.3	1.2	2.9	880	2640	20	C66A226-F2G03***
25	57.0	50.0	35.0	52.5	20.3	1.2	2.7	1000	3000	23	C66A256-F2G03***
28	57.0	50.0	35.0	52.5	20.3	1.2	2.5	1120	3360	24	C66A286-F2G03***

Ur=350Vac / UNDC=600Vdc											
C (μF)	W	H	T	P	P1	d	ESR@10KHz	\hat{I}	\hat{I}_s	I _{RMS} (A)	产品代码 Part number
							(mΩ)	(A)	(A)		
1	32	22	13	27.5	-	0.8	8.9	106	318	5.5	C66A105-Q3B0****
1.5	32	25	14	27.5	-	0.8	6.5	159	477	7	C66A155-Q3B0****
2	32	30	16	27.5	-	0.8	5.4	212	636	8.5	C66A205-Q3B0****
2.2	32	30	16	27.5	-	0.8	5.0	233	699	9	C66A225-Q3B0****
2.5	32	33	18	27.5	-	0.8	4.7	265	795	10	C66A255-Q3B0****
3	32	37	22	27.5	-	0.8	4.4	318	954	10	C66A305-Q3B0****
3.3	32	37	22	27.5	-	0.8	4.1	350	1050	10	C66A335-Q3B0****
3.5	32	37	22	27.5	-	0.8	4.0	371	1113	10	C66A355-Q3B0****
4	32	37	22	27.5	-	0.8	3.7	424	1272	10	C66A405-Q3B0****
2	42	26	15	37.5	-	1.0	7.5	138	414	8	C66A205-Q3E0****
2.2	42	26	15	37.5	-	1.0	6.9	152	456	8	C66A225-Q3E0****
2.5	42	30	16	37.5	-	1.0	6.3	173	519	9	C66A255-Q3E0****
3	42	30	16	37.5	-	1.0	5.4	208	624	10	C66A305-Q3E0****
3.3	42	32	17	37.5	-	1.0	5.0	228	684	10.5	C66A335-Q3E0****
4	42	33.5	18.5	37.5	-	1.0	4.4	277	831	12	C66A405-Q3E0****
4	42	33.5	18.5	37.5	10.2	1.0	3.8	277	831	12.5	C66A405-Q3E01***
5	42	37	22	37.5	-	1.0	3.8	346	1038	13.5	C66A505-Q3E0****
5	42	37	22	37.5	10.2	1.0	3.2	346	1038	15	C66A505-Q3E01***
8	42	41	26	37.5	-	1.0	2.9	554	1662	14	C66A805-Q3E0****
8	42	41	26	37.5	10.2	1.0	2.3	554	1662	19	C66A805-Q3E01***
9	42	45	30	37.5	-	1.0	2.8	623	1869	14	C66A905-Q3E0****
9	42	45	30	37.5	20.3	1.2	1.9	623	1869	22	C66A905-Q3E03***
12	57	43.5	29.5	52.5	20.3	1.2	2.5	546	1638	22	C66A126-Q3G03***
15K	57	45	35	52.5	20.3	1.2	2.1	682	2046	25	C66A156KQ3G03***
18	57	50	35	52.5	20.3	1.2	1.9	818	2454	27.5	C66A186-Q3G03***
20	57	57	38	52.5	20.3	1.2	1.8	909	2727	30	C66A206-Q3G03***
25	57	55	45	52.5	20.3	1.2	1.5	1136	3408	32	C66A256-Q3G03***



CBB66A

CBB66A series

◆ 产品尺寸及性能参数: Product Dimension and Characteristic Data:

Ur=400Vac / UNDC=700Vdc											
C (μF)	W	H	T	P	P1	d	ESR@10KHz	\hat{I}	\hat{I}_s	I _{RMS} (A)	产品代码 Part number
							(mΩ)	(A)	(A)		
1	32	25	14	27.5	-	0.8	8.4	121	363	6.5	C66A105-G2B0****
1.2	32	28	14	27.5	-	0.8	8.0	145	435	7.0	C66A125-G2B0****
2	32	33	18	27.5	-	0.8	5.2	243	729	9.5	C66A205-G2B0****
3K	32	37	22	27.5	-	0.8	4.2	364	1092	10	C66A305KG2B0****
1.5	42	25	14	37.5	-	1.0	8.8	119	357	7	C66A155-G2E0****
2.5	42	32	17	37.5	-	1.0	5.8	198	594	10	C66A255-G2E0****
3	42	33.5	18.5	37.5	-	1.0	5.0	237	711	11	C66A305-G2E0****
3	42	33.5	18.5	37.5	10.2	1.0	4.5	237	711	11.5	C66A305-G2E01***
4.5K	42	37	22	37.5	-	1.0	3.8	356	1068	13.5	C66A455KG2E0****
4.5K	42	37	22	37.5	10.2	1.0	3.2	356	1068	15	C66A455KG2E01***
6K	42	41	26	37.5	-	1.0	3.2	475	1425	14	C66A605KG2E0****
6K	42	41	26	37.5	10.2	1.0	2.6	475	1425	17.5	C66A605KG2E01***
7K	42	43	28	37.5	-	1.0	3.0	526	1578	14	C66A705KG2E0****
7K	42	43	28	37.5	10.2	1.0	2.4	526	1578	19.5	C66A705KG2E01***
8	42	50	30	37.5	-	1.0	3.0	633	1899	14	C66A805-G2E0****
8	42	50	30	37.5	20.3	1.2	2.0	633	1899	22.5	C66A805-G2E03***
10K	42	50	35	37.5	20.3	1.2	1.7	791	2373	25.5	C66A106KG2E03***
10	57	43.5	29.5	52.5	20.3	1.2	2.6	520	1560	21.5	C66A106-G2G03***
15K	57	50	35	52.5	20.3	1.2	2.0	740	2220	27	C66A156KG2G03***
18	57	57	38	52.5	20.3	1.2	1.8	935	2805	30	C66A186-G2G03***

Ur=450Vac / UNDC=800Vdc											
C (μF)	W	H	T	P	P1	d	ESR@10KHz	\hat{I}	\hat{I}_s	I _{RMS} (A)	产品代码 Part number
							(mΩ)	(A)	(A)		
1.5	32	33	18	27.5	-	0.8	6.1	205	615	8.5	C66A155-S2B0****
2.2	32	37	22	27.5	-	0.8	4.8	300	900	10	C66A225-S2B0****
1.5	42	26	15	37.5	-	1.0	8.2	133	399	7.5	C66A155-S2E0****
2.2	42	32	17	37.5	-	1.0	6.0	196	588	9.5	C66A225-S2E0****
3.3	42	37	22	37.5	-	1.0	4.5	294	882	12.5	C66A335-S2E0****
3.3	42	37	22	37.5	10.2	1.0	3.9	294	882	13.5	C66A335-S2E01***
4.7	42	41	26	37.5	-	1.0	3.6	418	1254	14	C66A475-S2E0****
4.7	42	41	26	37.5	10.2	1.0	3.0	418	1254	16.5	C66A475-S2E01***
5	42	43	28	37.5	-	1.0	3.5	445	1335	14	C66A505-S2E0****
5	42	43	28	37.5	10.2	1.0	2.8	445	1335	17.5	C66A505-S2E01***
7	42	50	30	37.5	20.3	1.2	2.1	623	1869	22	C66A705-S2E03***
8	42	50	35	37.5	20.3	1.2	1.9	712	2136	24	C66A805-S2E03***
10	42	55	40	37.5	20.3	1.2	1.6	890	2670	27.5	C66A106-S2E03***
8	57	43.5	29.5	52.5	20.3	1.2	2.9	468	1404	20	C66A805-S2G03***
10	57	50	35	52.5	20.3	1.2	2.5	584	1752	24	C66A106-S2G03***
15K	57	57	38	52.5	20.3	1.2	1.9	833	2499	29.5	C66A156KS2G03***

◆ 产品尺寸及性能参数: Product Dimension and Characteristic Data:

U _r =500Vac / U _{NDC} =900Vdc												
C (μF)	W	H	T	P	P1	d	ESR@10KHz	\hat{I}	\hat{I}_s	I _{RMS} (A)	产品代码 Part number	
							(mΩ)	(A)	(A)			
1K	32	28	17	27.5	-	0.8	7.7	152	456	7	C66A105KH2B0****	
1.5	32	37	22	27.5	-	0.8	5.9	227	681	9.5	C66A155-H2B0****	
1.5	42	32	17	37.5	-	1.0	7.8	148	444	8.5	C66A155-H2E0****	
2	42	33.5	18.5	37.5	-	1.0	6.1	198	594	10	C66A205-H2E0****	
2.5	42	37	22	37.5	-	1.0	5.2	282	846	11.5	C66A255KH2E0****	
3.5	42	41	26	37.5	-	1.0	4.1	346	1038	14	C66A355-H2E0****	
3.5	42	41	26	37.5	10.2	1.0	3.5	346	1038	15.5	C66A355-H2E0****	
4	42	43	28	37.5	-	1.0	3.8	396	1188	14	C66A405-H2E0****	
4	42	43	28	37.5	10.2	1.0	3.2	396	1188	16.5	C66A405-H2E0****	
5	42	50	30	37.5	-	1.0	3.5	494	1482	14	C66A505-H2E0****	
5	42	50	30	37.5	20.3	1.2	2.5	494	1482	20	C66A505-H2E0****	
6	42	50	35	37.5	20.3	1.2	2.2	593	1779	22.5	C66A605-H2E0****	
8	42	55	40	37.5	20.3	1.2	1.8	791	2373	26.5	C66A805-H2E0****	
6.8	57	43.5	29.5	52.5	20.3	1.2	3.1	442	1326	19.5	C66A635-H2G0****	
9	57	50	35	52.5	20.3	1.2	2.5	584	1752	24	C66A905-H2G0****	
12K	57	57	38	52.5	20.3	1.2	2.1	740	2220	28	C66A126KH2G0****	

U _r =550Vac / U _{NDC} =1000Vdc												
C (μF)	W	H	T	P	P1	d	ESR@10KHz	\hat{I}	\hat{I}_s	I _{RMS} (A)	产品代码 Part number	
							(mΩ)	(A)	(A)			
1	32	33	18	27.5	-	0.8	7.6	167	501	8	C66A105-T1B0****	
1.5	32	37	22	27.5	-	0.8	5.7	250	750	10	C66A155-T1B0****	
1.5	42	33.5	18.5	37.5	-	1.0	7.4	163	489	9	C66A155-T1E0****	
2.2	42	37	22	37.5	-	1.0	5.4	239	717	11.5	C66A225-T1E0****	
3	42	41	26	37.5	-	1.0	4.4	326	978	13.5	C66A305-T1E0****	
3	42	41	26	37.5	10.2	1.0	3.8	326	978	14.5	C66A305-T1E01***	
3.5	42	43	28	37.5	-	1.0	4.0	381	1143	14	C66A355-T1E0****	
3.5	42	43	28	37.5	10.2	1.0	3.3	381	1143	16	C66A355-T1E01***	
5	42	50	35	37.5	20.3	1.2	2.4	544	1632	21.5	C66A505-T1E03***	
6	42	55	40	37.5	20.3	1.2	2.1	653	1959	24.5	C66A605-T1E03***	
5	57	43.5	29.5	52.5	20.3	1.2	3.8	357	1071	17.5	C66A505-T1G03***	
7.5	57	50	35	52.5	20.3	1.2	2.7	536	1608	23	C66A755-T1G03***	
10K	57	57	38	52.5	20.3	1.2	2.2	679	2037	27	C66A106KT1G03****	

备注:

“-”：客户要求的容量偏差;

ESR 值为 f=10KHz 下的典型值;

I_{RMS} 值为 f=10KHz、T_{amb}=85℃、散热条件 10W/m²/℃、
ΔT_{case}≤15℃的最大电流有效值。

“-”=custom's capacitor tolerance code, J=±5%, K=±10%;

ESR typical values at 10KHz;

I_{RMS} is the maximum R.M.S current at 10KHz、T_{amb}=85℃、
ΔT_{case}≤15℃.(Coefficient of heat dissipation: 10W/m²/℃)

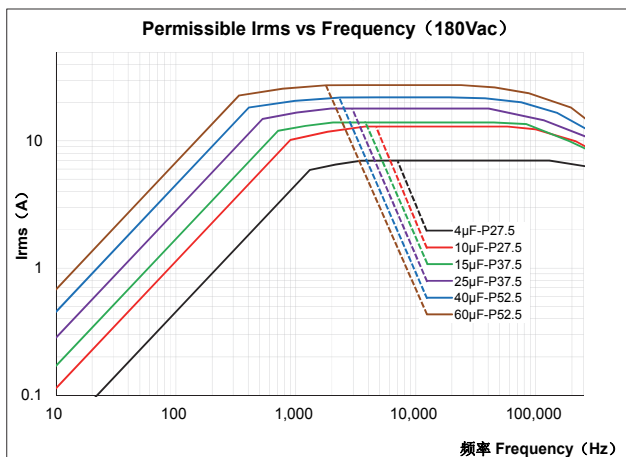


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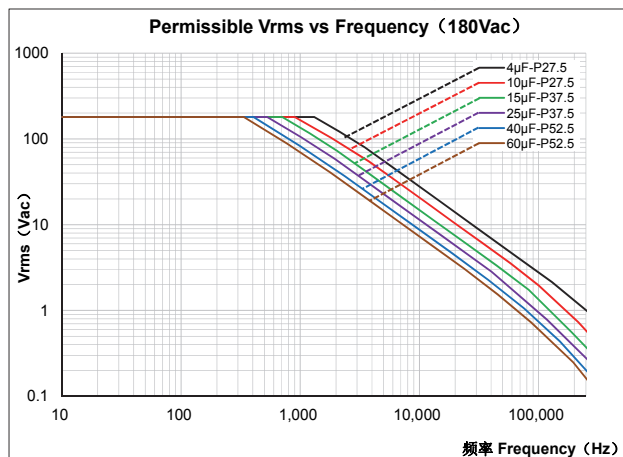
CBB66A series

◆有效值交流电压&电流频率曲线 Permissible Vrms & Irms vs Frequency

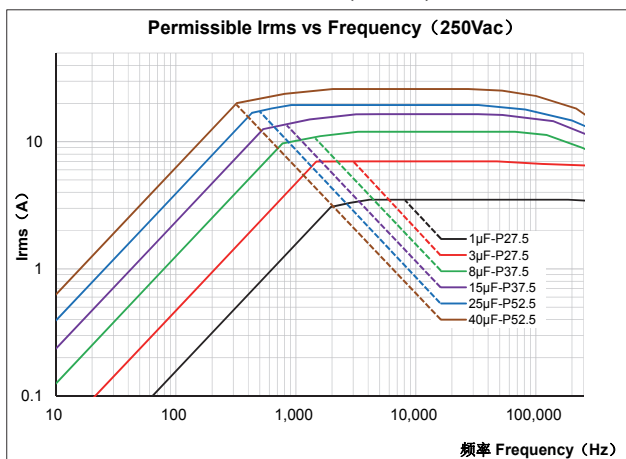
180Vac-P27.5~P52.5mm (Irms):



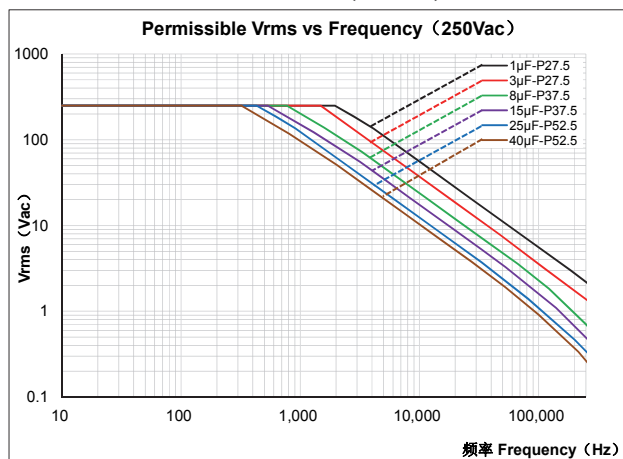
180Vac-P27.5~P52.5mm (Vrms):



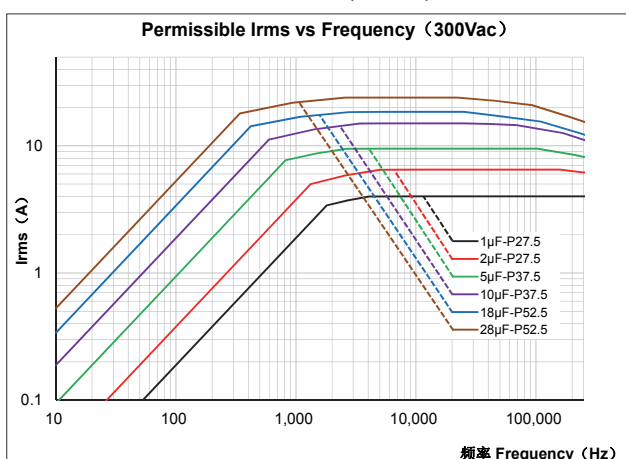
250Vac-P27.5~P52.5mm (Irms):



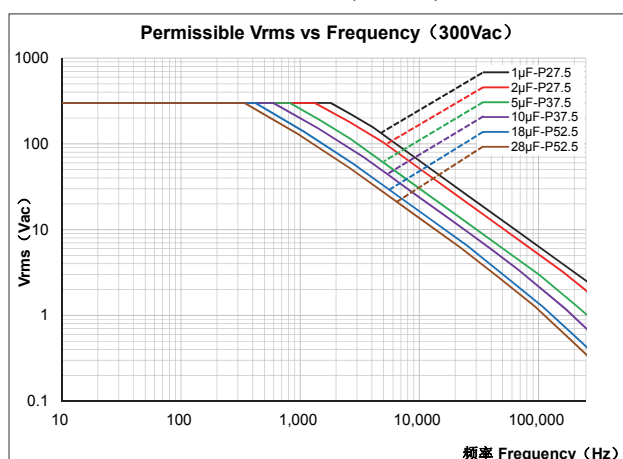
250Vac-P27.5~P52.5mm (Vrms):



300Vac-P27.5~P52.5mm (Irms):



300Vac-P27.5~P52.5mm (Vrms):



注:

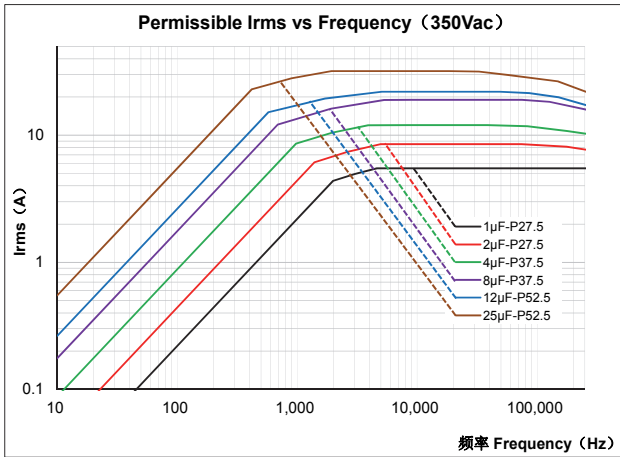
纹波电流或纹波电压值基于 $T_{amb}=85^{\circ}C$ 条件下;
产品散热系数: $10W/m^2/^{\circ}C$;
当 $f \geq 100KHz$, I_{rms} 和 V_{rms} 仅供参考。

Note:

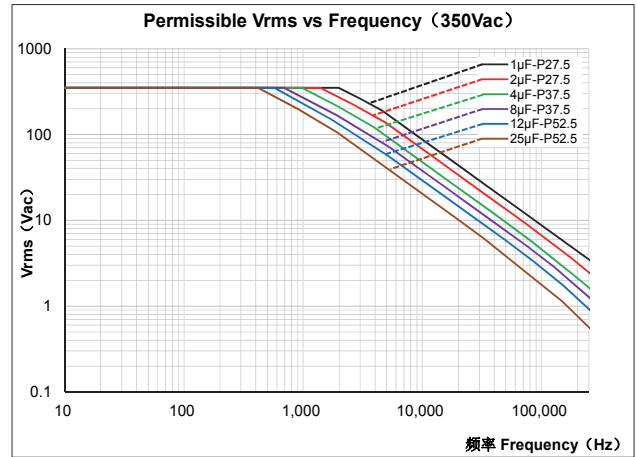
Permissible Vrms & Irms curves frequency f at $T_{amb}=85^{\circ}C$;
Coefficient of heat dissipation: $10W/m^2/^{\circ}C$;
At $f \geq 100KHz$, I_{rms} & V_{rms} are only for reference.

◆有效值交流电压&电流频率曲线 Permissible Vrms & Irms vs Frequency

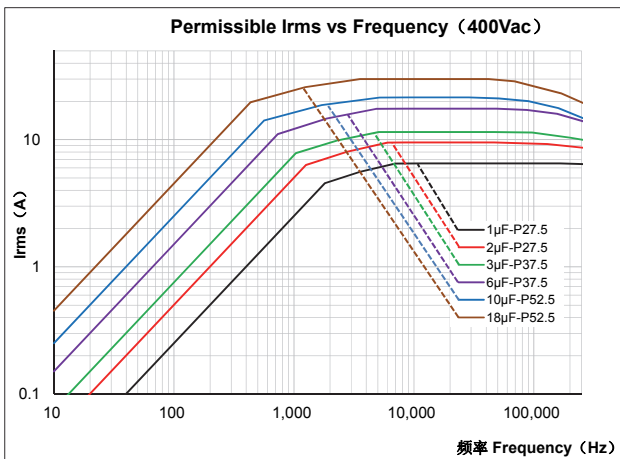
350Vac-P27.5~P52.5mm (Irms):



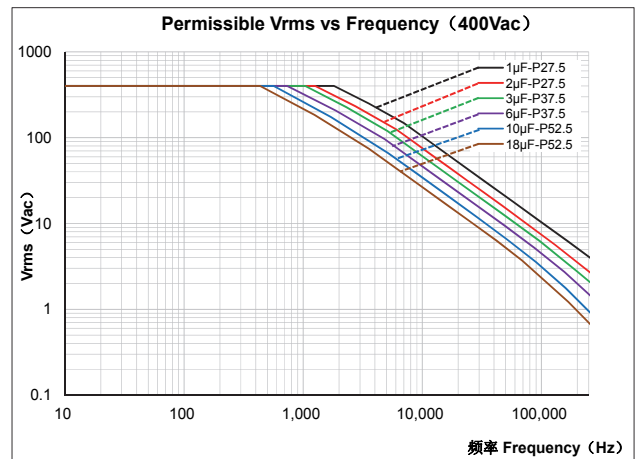
350Vac-P27.5~P52.5mm (Vrms):



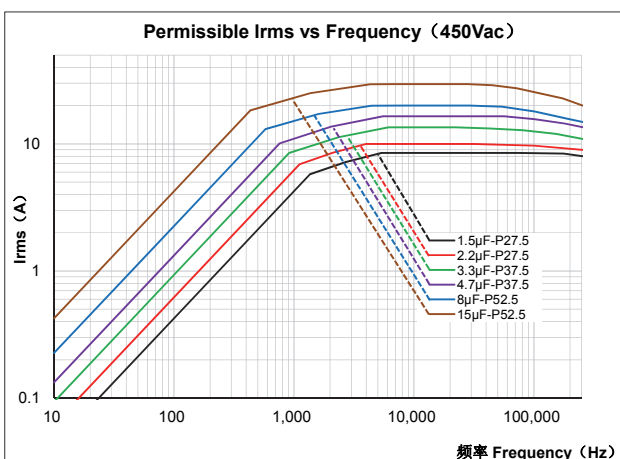
400Vac-P27.5~P52.5mm (Irms):



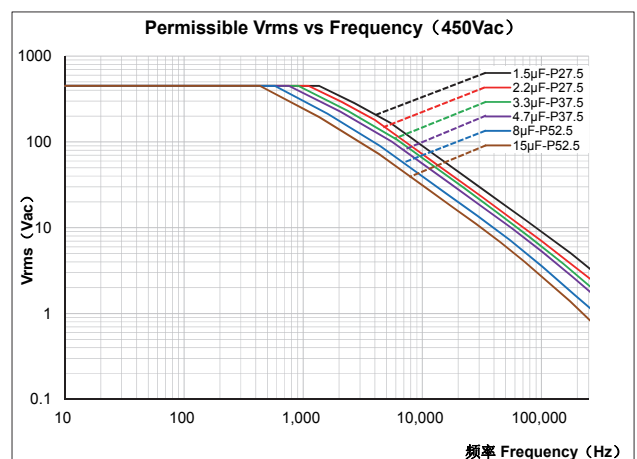
400Vac-P27.5~P52.5mm (Vrms):



450Vac-P27.5~P52.5mm (Irms):



450Vac-P27.5~P52.5mm (Vrms):



注:

纹波电流或纹波电压值基于 $T_{amb}=85^{\circ}C$ 条件下;
产品散热系数: $10W/m^2/^{\circ}C$;
当 $f \geq 100KHz$, I_{rms} 和 V_{rms} 仅供参考。

Note:

Permissible Vrms & Irms curves frequency f at $T_{amb}=85^{\circ}C$;
Coefficient of heat dissipation: $10W/m^2/^{\circ}C$;
At $f \geq 100KHz$, I_{rms} & V_{rms} are only for reference.

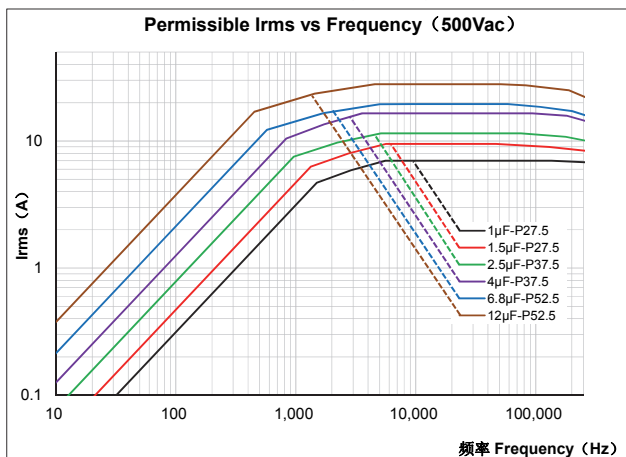


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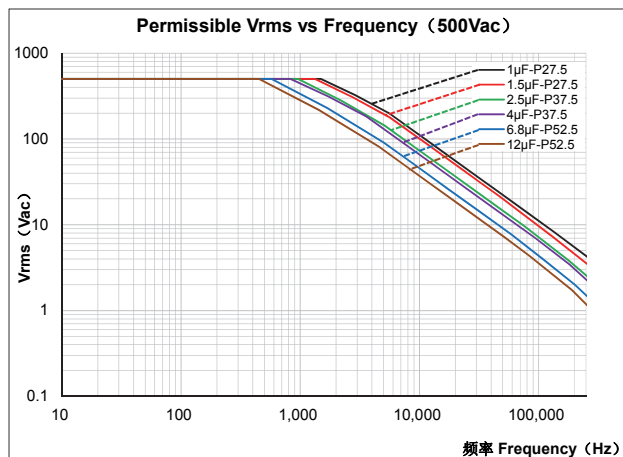
CBB66A series

◆有效值交流电压&电流频率曲线 Permissible Vrms & Irms vs Frequency

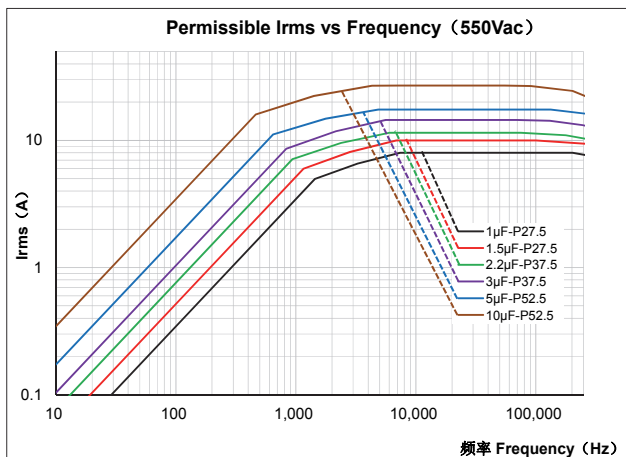
500Vac-P27.5~P52.5mm (Irms):



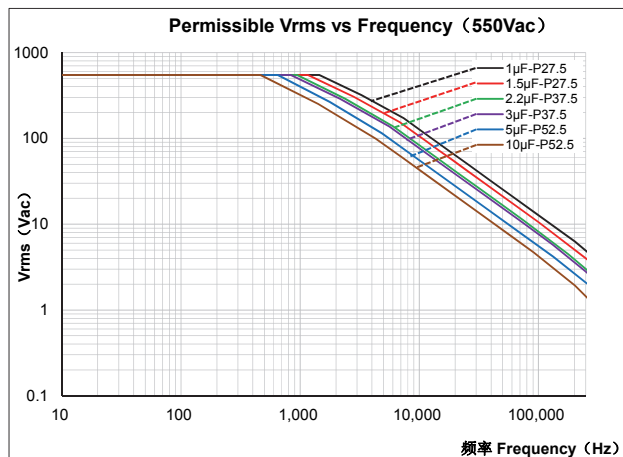
500Vac-P27.5~P52.5mm (Vrms):



550Vac-P27.5~P52.5mm (Irms):



550Vac-P27.5~P52.5mm (Vrms):



注:

纹波电流或纹波电压值基于 $T_{amb}=85^{\circ}C$ 条件下;
 产品散热系数: $10W/m^2/^{\circ}C$;
 当 $f \geq 100KHz$, I_{rms} 和 V_{rms} 仅供参考。

Note:

Permissible Vrms & Irms curves frequency f at $T_{amb}=85^{\circ}C$;
 Coefficient of heat dissipation: $10W/m^2/^{\circ}C$;
 At $f \geq 100KHz$, I_{rms} & V_{rms} are only for reference.

◆可靠性: Reliability.

Test description	Reference	Test conditions	Determine criteria
极间耐压 Voltage test between terminals	IEC 61071	1.5 x U _{NDC} at Tamb Duration: 60 s	No visible damage ΔC/C : ≤0.5% tan δ: ≤1.2 initial tan δ+ 1×10 ⁻⁴ at 10KHz R _{ins} : ≥ 50% of IR limit
耐焊接热 Resistance to soldering heat	IEC 60068-2-20	Solder bath temperature at 260°C±5°C, Immersion time: 10s±1s	No visible damage ΔC/C : ≤0.5% Increase of tan δ: ≤ 50 ×10 ⁻⁴ at 10KHz
引出端强度 Robustness of terminations	IEC 60068-2-21	Wire diameter & Tensile force 0.5 < d ₁ ≤0.8 mm 10N 0.8 < d ₁ ≤1.25 mm 20N	No visible damage
放电实验 Surge discharge test	IEC 61071	1.1 x U _{NDC} Number of discharges: 5(within 10 minutes)	No visible damage ΔC/C : ≤ 1.0 % Tan δ: ≤1.2 initial tan δ+ 1×10 ⁻⁴ at 10KHz R _{ins} : ≥ 50% of IR limit
温度变化 Change of temperature	IEC 60068-2-14	Tmax. =85 °C Tmin. = - 40 °C Transition time: 1 h, equivalent to 1°C/min 5 cycles	No visible damage ΔC/C : ≤ 2.0 % Increase of tan δ: ≤ 150 ×10 ⁻⁴ at 10KHz R _{ins} : ≥ 50% of IR limit
耐湿性 Damp heat steady	IEC 60068-2-78	Tmax. = 40 °C RH = 93 % Duration 56 days	No visible damage ΔC/C : ≤ 2.0 % Increase of tan δ: ≤ 150 ×10 ⁻⁴ at 10KHz R _{ins} : ≥ 50% of IR limit
耐湿负荷 Biased humidity	AEC-Q200	T = 40 °C RH = 93 % at Ur Duration: 1000h	NO visible damage ΔC/C : ≤ 5 % R _{ins} : ≥ 200MΩ
		T = 60 °C RH = 93 % at Ur Duration: 1000h	NO visible damage ΔC/C : ≤ 10 % R _{ins} : ≥ 200MΩ
耐久性 Endurance test between terminals	IEC 61071	1.25 × Ur at Tmax. = 85 °C Duration 500 h 1000 × discharge at 1.4 × I (repetitive peak current in continuous operation) 1.25× Ur at Tmax. = 85 °C Duration 500 h	No visible damage ΔC/C : ≤ 3 % Increase of tan δ: ≤ 150×10 ⁻⁴ at 10KHz R _{ins} : ≥ 50% of IR limit
自愈性测试 Self healing test	IEC 61071	1.5 × U _{NDC} Duration 10 sec, Number of Self healing ≤ 5, increase the voltage at 100 V/s till 5, with a max. of 2.5× U _{NDC} for a duration of 10 sec	No visible damage ΔC/C : ≤ 0.5 % tan δ: ≤ 1.1 initial tan δ + 1×10 ⁻⁴ at 10KHz
振动 Vibration	IEC60068	f=10 Hz to 55 Hz a=±0.35mm Test duration per axis = 10 frequency cycles (3 axes offset from each other by 90°) 1 octave/min, the total times are 135 min for 3axes	No visible damage