



CBB66H (THB)

中星 CBB66H series (THB)

CBB66H 高防潮型交流输出滤波电容器(THB)

CBB66H Strong Moisture Resistance Type AC Output Filter Capacitor (THB)

< 85°C/85%RH /1000h /U_r >

◆ 外形图 Outline Drawing

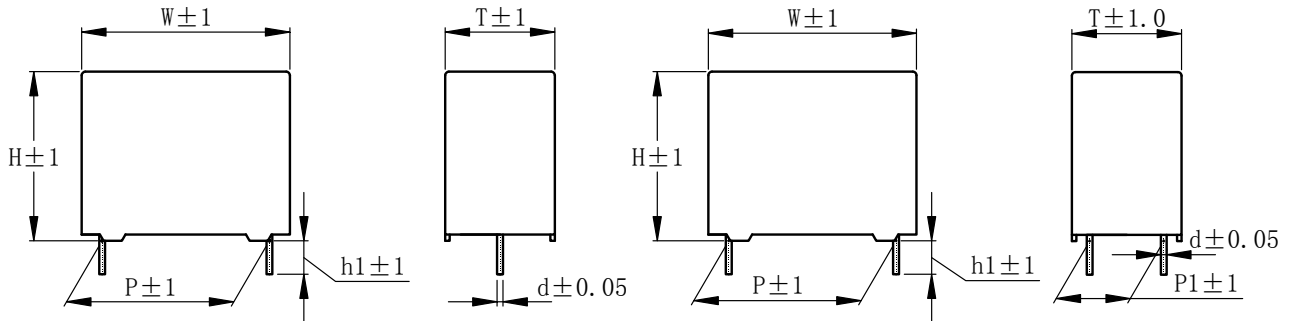


图 1: 2Pins

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	0.33μF~90.0μF	
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	

◆ 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	H												

第 1~4 位	薄膜电容器系列代码 C66H=CBB66H	Digit 1~4	Series code of film capacitor C66H=CBB66H
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=5.1mm				
2	4Pins P1=10.2mm				
3	4Pins P1=12.7mm				
4	4Pins P1=15.2mm				
5	4Pins P1=20.3mm				



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

Ur=180Vac / UNDC=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)		
2	32	20	11	27.5	-	0.8	10.8	140	420	5.0	C66H205-M2B00000
3	32	25	11	27.5	-	0.8	7.6	210	630	6.5	C66H305-M2B00000
4	32	24.5	15	27.5	-	0.8	6	280	840	7.5	C66H405-M2B00000
5	32	28	14	27.5	-	0.8	5	350	1050	8.5	C66H505-M2B00000
7	32	30	16	27.5	-	0.8	4	490	1470	10.0	C66H705-M2B00000
9	32	33	18	27.5	-	0.8	3.3	630	1890	10.0	C66H905-M2B00000
9	32	33	18	27.5	10.2	0.8	2.7	630	1890	13.0	C66H905-M2B02000
10	32	37	22	27.5	-	0.8	3.3	700	2100	10.0	C66H106-M2B00000
10	32	37	22	27.5	10.2	0.8	2.6	700	2100	14.5	C66H106-M2B02000
12	32	37	22	27.5	-	0.8	2.9	840	2520	10.0	C66H126-M2B00000
12	32	37	22	27.5	10.2	0.8	2.2	840	2520	16.0	C66H126-M2B02000
7	42	26	15	37.5	-	1	6	280	840	9.0	C66H705-M2E00000
8	42	30	16	37.5	-	1	5.4	320	960	10.0	C66H805-M2E00000
9	42	30	16	37.5	-	1	4.9	360	1080	10.5	C66H905-M2E00000
10	42	33.5	18.5	37.5	-	1	4.5	400	1200	11.5	C66H106-M2E00000
10	42	33.5	18.5	37.5	10.2	1	4.1	400	1200	12.0	C66H106-M2E02000
12	42	33.5	18.5	37.5	-	1	3.8	480	1440	12.0	C66H126-M2E00000
12	42	33.5	18.5	37.5	10.2	1	3.4	480	1440	13.0	C66H126-M2E02000
15	42	37	22	37.5	-	1	3.3	600	1800	14.0	C66H156-M2E00000
15	42	37	22	37.5	10.2	1	2.9	600	1800	15.0	C66H156-M2E02000
22	42	41	26	37.5	-	1	2.6	880	2640	14.0	C66H226-M2E00000
22	42	41	26	37.5	10.2	1	2.1	880	2640	19.0	C66H226-M2E02000
30	42	45	30	37.5	10.2	1.2	1.6	1200	3600	23.0	C66H306-M2E02000
30	42	45	30	37.5	20.3	1.2	1.6	1200	3600	23.0	C66H306-M2E05000
35	42	50	30	37.5	10.2	1.2	1.4	1400	4200	27.5	C66H356-M2E02000
35	42	50	30	37.5	20.3	1.2	1.4	1400	4200	27.5	C66H356-M2E05000
40	42	55	35	37.5	20.3	1.2	1.3	1600	4800	29.5	C66H406-M2E05000
45	42	55	35	37.5	20.3	1.2	1.2	1800	5400	29.5	C66H456-M2E05000
40	57	45	30	52.5	10.2	1.2	2.1	800	2400	23.5	C66H406-M2G02000
40	57	45	30	52.5	20.3	1.2	2.1	800	2400	23.5	C66H406-M2G05000
50	57	50	35	52.5	20.3	1.2	1.8	1000	3000	28.0	C66H506-M2G05000
55	57	50	35	52.5	20.3	1.2	1.7	1100	3300	28.0	C66H556-M2G05000
60	57	57	35	52.5	20.3	1.2	1.6	1200	3600	29.5	C66H606-M2G05000
70	57	57	35	52.5	20.3	1.2	1.4	1400	4200	29.5	C66H706-M2G05000
80	57	60	40	52.5	20.3	1.2	1.4	1600	4800	32.0	C66H806-M2G05000
90	57	60	45	52.5	20.3	1.2	1.3	1800	5400	32.0	C66H906-M2G05000

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

Ur=250Vac / UNDC =450Vdc											
C (μ F)	W	H	T	P	PI	d	ESR@10KHz	\hat{I}	\hat{I}_s	I _{RMS} (A)	产品代码 Part number
							(m Ω)	(A)	(A)		
1.5	32	20	11	27.5	-	0.8	12	135	405	4.5	C66H155-E2B00000
2	32	25	11	27.5	-	0.8	9.3	180	540	6.0	C66H205-E2B00000
3	32	24.5	15	27.5	-	0.8	6.7	270	810	7.0	C66H305-E2B00000
3.5	32	28	14	27.5	-	0.8	5.9	315	945	8.0	C66H355-E2B00000
4	32	30	16	27.5	-	0.8	5.3	360	1080	8.5	C66H405-E2B00000
5	32	33	18	27.5	-	0.8	4.5	450	1350	10.0	C66H505-E2B00000
5	32	33	18	27.5	10.2	0.8	3.8	450	1350	10.5	C66H505-E2B02000
6	32	37	22	27.5	-	0.8	4.1	540	1620	10.0	C66H605-E2B00000
6	32	37	22	27.5	10.2	0.8	3.3	540	1620	12.5	C66H605-E2B02000
7	32	37	22	27.5	-	0.8	3.6	630	1890	10.0	C66H705-E2B00000
7	32	37	22	27.5	10.2	0.8	2.9	630	1890	13.5	C66H705-E2B02000
4.5	42	26	15	37.5	-	1	7.6	270	810	8.0	C66H455-E2E00000
5	42	30	16	37.5	-	1	6.9	300	810	9.0	C66H505-E2E00000
6	42	30	16	37.5	-	1	5.9	360	900	9.5	C66H605-E2E00000
8	42	33.5	18.5	37.5	-	1	4.6	480	1080	11.5	C66H805-E2E00000
8	42	33.5	18.5	37.5	10.2	1	4.2	480	1440	12.0	C66H805-E2E02000
10	42	37	22	37.5	-	1	3.9	600	1440	13.0	C66H106-E2E00000
10	42	37	22	37.5	10.2	1	3.4	600	1800	14.0	C66H106-E2E02000
15	42	41	26	37.5	-	1	2.9	900	1800	14.0	C66H156-E2E00000
15	42	41	26	37.5	10.2	1	2.4	900	2700	17.5	C66H156-E2E02000
20	42	45	30	37.5	10.2	1.2	1.8	1200	2700	23.0	C66H206-E2E02000
20	42	45	30	37.5	20.3	1.2	1.8	1200	3600	23.0	C66H206-E2E05000
22	42	50	30	37.5	10.2	1.2	1.7	1320	3600	23.5	C66H226-E2E02000
22	42	50	30	37.5	20.3	1.2	1.7	1320	3960	23.5	C66H226-E2E05000
30	42	55	35	37.5	20.3	1.2	1.4	1800	3960	29.5	C66H306-E2E05000
27	57	45	30	52.5	10.2	1.2	2.5	810	3420	21.0	C66H276-E2G02000
27	57	45	30	52.5	20.3	1.2	2.5	810	2430	21.0	C66H276-E2G05000
30	57	50	35	52.5	20.3	1.2	2.4	900	2700	23.0	C66H306-E2G05000
35	57	50	35	52.5	20.3	1.2	2	1050	3150	25.0	C66H356-E2G05000
40	57	57	35	52.5	20.3	1.2	1.8	1200	3600	29.5	C66H406-E2G05000
45	57	57	35	52.5	20.3	1.2	1.7	1350	4050	29.5	C66H456-E2G05000
50	57	60	40	52.5	20.3	1.2	1.6	1500	4500	31.0	C66H506-E2G05000
60	57	60	45	52.5	20.3	1.2	1.4	1800	5400	32.0	C66H606-E2G05000



CBB66H (THB)
CBB66H series (THB)

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

Ur =300Vac / UNDC=500Vdc											
C (μF)	W	H	T	P	P1	d	ESR@10KHz	\hat{I}	\hat{I}_s (A)	I _{RMS} (A)	产品代码 Part number
							(mΩ)	(A)			
1	32	20	11	27.5	-	0.8	9.4	100	300	5.5	C66H105-F2B00000
1.5	32	25	11	27.5	-	0.8	6.7	150	450	6.5	C66H155-F2B00000
2	32	24.5	15	27.5	-	0.8	5.4	200	600	8.0	C66H205-F2B00000
2.2	32	28	14	27.5	-	0.8	5	220	660	8.5	C66H225-F2B00000
3	32	30	16	27.5	-	0.8	4	300	900	10.0	C66H305-F2B00000
3.9	32	33	18	27.5	-	0.8	3.4	390	1170	10.0	C66H395-F2B00000
3.9	32	33	18	27.5	10.2	0.8	2.7	390	1170	13.0	C66H395-F2B02000
5	32	37	22	27.5	-	0.8	3	500	1500	10.0	C66H505-F2B00000
5	32	37	22	27.5	10.2	0.8	2.3	500	1500	16.0	C66H505-F2B02000
3	42	26	15	37.5	-	1	5.3	210	630	9.0	C66H305-F2E00000
3.9	42	30	16	37.5	-	1	4.3	273	819	11.0	C66H395-F2E00000
5	42	33.5	18.5	37.5	-	1	3.5	350	1050	13.0	C66H505-F2E00000
5	42	33.5	18.5	37.5	10.2	1	3.1	350	1050	14.0	C66H505-F2E02000
6.8	42	37	22	37.5	-	1	2.8	476	1428	14.0	C66H685-F2E00000
6.8	42	37	22	37.5	10.2	1	2.4	476	1428	16.0	C66H685-F2E02000
9	42	41	26	37.5	-	1	2.4	630	1890	14.0	C66H905-F2E00000
9	42	41	26	37.5	10.2	1	1.9	630	1890	19.0	C66H905-F2E02000
12	42	45	30	37.5	10.2	1.2	1.4	840	2520	23.0	C66H126-F2E02000
12	42	45	30	37.5	20.3	1.2	1.4	840	2520	23.0	C66H126-F2E05000
15	42	50	30	37.5	10.2	1.2	1.2	1050	3150	27.5	C66H156-F2E02000
15	42	50	30	37.5	20.3	1.2	1.2	1050	3150	27.5	C66H156-F2E05000
18	42	55	35	37.5	20.3	1.2	1.1	1260	3780	29.5	C66H186-F2E05000
18	57	45	30	52.5	10.2	1.2	1.7	720	2160	26.0	C66H186-F2G02000
18	57	45	30	52.5	20.3	1.2	1.7	720	2160	26.0	C66H186-F2G05000
25	57	50	35	52.5	20.3	1.2	1.3	1000	3000	32.0	C66H256-F2G05000
30	57	57	35	52.5	20.3	1.2	1.2	1200	3600	32.0	C66H306-F2G05000
35	57	60	40	52.5	20.3	1.2	1.1	1400	4200	32.0	C66H356-F2G05000
40	57	60	45	52.5	20.3	1.2	1.1	1600	4800	32.0	C66H406-F2G05000

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

Ur=350Vac / UNDC=600Vdc											
C (μ F)	W	H	T	P	P1	d	ESR@10KHz	\hat{I}	\hat{I}_s	I _{RMS} (A)	产品代码 Part number
							(m Ω)	(A)	(A)		
0.68	32	20	11	27.5	-	0.8	12	75	224	4.5	C66H684-Q3B00000
1	32	25	11	27.5	-	0.8	8.6	110	330	6.0	C66H105-Q3B00000
1.5	32	24.5	15	27.5	-	0.8	6.2	165	495	7.5	C66H155-Q3B00000
2	32	30	16	27.5	-	0.8	5	220	660	9.0	C66H205-Q3B00000
2.7	32	33	18	27.5	-	0.8	4	297	891	10.0	C66H275-Q3B00000
2.7	32	33	18	27.5	10.2	0.8	3.3	297	891	11.5	C66H275-Q3B02000
3.9	32	37	22	27.5	-	0.8	3.2	429	1287	10.0	C66H395-Q3B00000
3.9	32	37	22	27.5	10.2	0.8	2.5	429	1287	14.5	C66H395-Q3B02000
2.2	42	26	15	37.5	-	1	6.2	165	495	8.5	C66H225-Q3E00000
2.7	42	30	16	37.5	-	1	5.2	203	608	10.0	C66H275-Q3E00000
3.9	42	33.5	18.5	37.5	-	1	3.9	293	878	12.0	C66H395-Q3E00000
3.9	42	33.5	18.5	37.5	10.2	1	3.4	293	878	13.0	C66H395-Q3E02000
5	42	37	22	37.5	-	1	3.2	375	1125	14.0	C66H505-Q3E00000
5	42	37	22	37.5	10.2	1	2.8	375	1125	16.0	C66H505-Q3E02000
6.8	42	41	26	37.5	-	1	2.7	510	1530	14.0	C66H685-Q3E00000
6.8	42	41	26	37.5	10.2	1	2.2	510	1530	19.0	C66H685-Q3E02000
9	42	45	30	37.5	10.2	1.2	1.6	675	2025	23.0	C66H905-Q3E02000
9	42	45	30	37.5	20.3	1.2	1.6	675	2025	23.0	C66H905-Q3E05000
10	42	50	30	37.5	10.2	1.2	1.5	750	2250	23.5	C66H106-Q3E02000
10	42	50	30	37.5	20.3	1.2	1.5	750	2250	23.5	C66H106-Q3E05000
12	42	55	35	37.5	20.3	1.2	1.4	900	2700	29.5	C66H126-Q3E05000
12	57	45	30	52.5	10.2	1.2	2.1	540	1620	23.5	C66H126-Q3G02000
12	57	45	30	52.5	20.3	1.2	2.1	540	1620	23.5	C66H126-Q3G05000
15	57	50	35	52.5	20.3	1.2	1.8	675	2025	28.0	C66H156-Q3G05000
18	57	50	35	52.5	20.3	1.2	1.6	810	2430	28.0	C66H186-Q3G05000
20	57	57	35	52.5	20.3	1.2	1.4	900	2700	29.5	C66H206-Q3G05000
25	57	60	40	52.5	20.3	1.2	1.3	1125	3375	32.0	C66H256-Q3G05000
28	57	60	45	52.5	20.3	1.2	1.2	1260	3780	32.0	C66H286-Q3G05000



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◆ **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)		
0.56	32	20	11	27.5	-	0.8	13.3	67	202	4.5	C66H564-G2B00000
0.82	32	25	11	27.5	-	0.8	9.5	98	295	5.5	C66H824-G2B00000
1	32	24.5	15	27.5	-	0.8	8	120	360	6.5	C66H105-G2B00000
1.2	32	28	14	27.5	-	0.8	6.9	144	432	7.5	C66H125-G2B00000
1.5	32	30	16	27.5	-	0.8	5.8	180	540	8.5	C66H155-G2B00000
2	32	33	18	27.5	-	0.8	4.7	240	720	10.0	C66H205-G2B00000
2	32	33	18	27.5	10.2	0.8	4	240	720	10.5	C66H205-G2B02000
3	32	37	22	27.5	-	0.8	3.6	360	1080	10.0	C66H305-G2B00000
3	32	37	22	27.5	10.2	0.8	2.9	360	1080	13.5	C66H305-G2B02000
1.5	42	26	15	37.5	-	1	8	120	360	7.5	C66H155-G2E00000
2	42	30	16	37.5	-	1	6.2	160	480	9.0	C66H205-G2E00000
3	42	33.5	18.5	37.5	-	1	4.4	240	720	11.5	C66H305-G2E00000
3	42	33.5	18.5	37.5	10.2	1	4	240	720	12.0	C66H305-G2E02000
3.9	42	37	22	37.5	-	1	3.6	312	936	14.0	C66H395-G2E00000
3.9	42	37	22	37.5	10.2	1	3.1	312	936	15.0	C66H395-G2E02000
5	42	41	26	37.5	-	1	3.1	400	1200	14.0	C66H505-G2E00000
5	42	41	26	37.5	10.2	1	2.6	400	1200	17.5	C66H505-G2E02000
7	42	45	30	37.5	10.2	1.2	1.8	560	1680	23.0	C66H705-G2E02000
7	42	45	30	37.5	20.3	1.2	1.8	560	1680	23.0	C66H705-G2E05000
8	42	50	30	37.5	10.2	1.2	1.7	640	1920	23.5	C66H805-G2E02000
8	42	50	30	37.5	20.3	1.2	1.7	640	1920	23.5	C66H805-G2E05000
10	42	55	35	37.5	20.3	1.2	1.4	800	2400	25.5	C66H106-G2E05000
10	57	45	30	52.5	10.2	1.2	2.3	500	1500	23.5	C66H106-G2G02000
10	57	45	30	52.5	20.3	1.2	2.3	500	1500	23.5	C66H106-G2G05000
12	57	50	35	52.5	20.3	1.2	2	600	1800	25.0	C66H126-G2G05000
15	57	57	35	52.5	20.3	1.2	1.7	750	2250	29.5	C66H156-G2G05000
20	57	60	40	52.5	20.3	1.2	1.4	1000	3000	32.0	C66H206-G2G05000
22	57	60	45	52.5	20.3	1.2	1.3	1100	3300	32.0	C66H226-G2G05000

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

U _T =450Vac / U _{NDC} =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)		
0.47	32	20	11	27.5	-	0.8	14.5	66	197	4.0	C66H474-S2B00000
0.56	32	25	11	27.5	-	0.8	12.4	78	235	5.0	C66H564-S2B00000
0.82	32	24.5	15	27.5	-	0.8	8.9	115	344	6.5	C66H824-S2B00000
1	32	28	14	27.5	-	0.8	7.5	140	420	7.0	C66H105-S2B00000
1.2	32	30	16	27.5	-	0.8	6.5	168	504	8.0	C66H125-S2B00000
1.5	32	33	18	27.5	-	0.8	5.5	210	630	9.0	C66H155-S2B00000
1.5	32	33	18	27.5	10.2	0.8	4.8	210	630	9.5	C66H155-S2B02000
2.2	32	37	22	27.5	-	0.8	4.2	308	924	10.0	C66H225-S2B00000
2.2	32	37	22	27.5	10.2	0.8	3.5	308	924	12.5	C66H225-S2B02000
1.2	42	26	15	37.5	-	1	9	102	306	7.5	C66H125-S2E00000
1.5	42	30	16	37.5	-	1	7.4	128	383	8.5	C66H155-S2E00000
2.2	42	33.5	18.5	37.5	-	1	5.3	187	561	10.5	C66H225-S2E00000
2.2	42	33.5	18.5	37.5	10.2	1	4.8	187	561	11.0	C66H225-S2E02000
3	42	37	22	37.5	-	1	4.1	255	765	13.0	C66H305-S2E00000
3	42	37	22	37.5	10.2	1	3.7	255	765	14.0	C66H305-S2E02000
4	42	41	26	37.5	-	1	3.4	340	1020	14.0	C66H405-S2E00000
4	42	41	26	37.5	10.2	1	2.9	340	1020	16.0	C66H405-S2E02000
5.5	42	45	30	37.5	10.2	1.2	2.1	468	1403	20.5	C66H555-S2E02000
5.5	42	45	30	37.5	20.3	1.2	2.1	468	1403	20.5	C66H555-S2E05000
6.5	42	50	30	37.5	10.2	1.2	1.8	553	1658	23.5	C66H655-S2E02000
6.5	42	50	30	37.5	20.3	1.2	1.8	553	1658	23.5	C66H655-S2E05000
8.2	42	55	35	37.5	20.3	1.2	1.6	697	2091	25.5	C66H825-S2E05000
8	57	45	30	52.5	10.2	1.2	2.5	440	1320	21.0	C66H805-S2G02000
8	57	45	30	52.5	20.3	1.2	2.5	440	1320	21.0	C66H805-S2G05000
10	57	50	35	52.5	20.3	1.2	2.1	550	1650	25.0	C66H106-S2G05000
12	57	57	35	52.5	20.3	1.2	1.8	660	1980	29.5	C66H126-S2G05000
15	57	60	40	52.5	20.3	1.2	1.6	825	2475	31.0	C66H156-S2G05000
18	57	60	45	52.5	20.3	1.2	1.4	990	2970	32.0	C66H186-S2G05000



CBB66H (THB)

CBB66H series (THB)

◆ 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)		
0.33	32	20	11	27.5	-	0.8	19	50	149	3.5	C66H334-H2B00000
0.47	32	25	11	27.5	-	0.8	13.8	71	212	4.5	C66H474-H2B00000
0.68	32	24.5	15	27.5	-	0.8	9.9	102	306	6.0	C66H684-H2B00000
0.82	32	28	14	27.5	-	0.8	8.5	123	369	6.5	C66H824-H2B00000
1	32	30	16	27.5	-	0.8	7.2	150	450	7.5	C66H105-H2B00000
1.5	32	33	18	27.5	-	0.8	5.2	225	675	9.0	C66H155-H2B00000
1.5	32	33	18	27.5	10.2	0.8	4.5	225	675	10.0	C66H155-H2B02000
2	32	37	22	27.5	-	0.8	4.3	300	900	10.0	C66H205-H2B00000
2	32	37	22	27.5	10.2	0.8	3.6	300	900	12.5	C66H205-H2B02000
1	42	26	15	37.5	-	1	9.4	100	300	7.0	C66H105-H2E00000
1.5	42	30	16	37.5	-	1	6.9	150	450	9.0	C66H155-H2E00000
2	42	33.5	18.5	37.5	-	1	5.4	200	600	10.5	C66H205-H2E00000
2	42	33.5	18.5	37.5	10.2	1	4.9	200	600	11.0	C66H205-H2E02000
2.5	42	37	22	37.5	-	1	4.5	250	750	12.5	C66H255-H2E00000
2.5	42	37	22	37.5	10.2	1	4	250	750	13.0	C66H255-H2E02000
3	42	41	26	37.5	-	1	4	300	900	14.0	C66H305-H2E00000
3	42	41	26	37.5	10.2	1	3.5	300	900	15.0	C66H305-H2E02000
3.3	42	41	26	37.5	-	1	3.7	330	990	14.0	C66H335-H2E00000
3.3	42	41	26	37.5	10.2	1	3.2	330	990	16.0	C66H335-H2E02000
4.5	42	45	30	37.5	10.2	1.2	2.3	450	1350	20.5	C66H455-H2E02000
4.5	42	45	30	37.5	20.3	1.2	2.3	450	1350	20.5	C66H455-H2E05000
5	42	50	30	37.5	10.2	1.2	2.1	500	1500	21.0	C66H505-H2E02000
5	42	50	30	37.5	20.3	1.2	2.1	500	1500	21.0	C66H505-H2E05000
6.8	42	55	35	37.5	20.3	1.2	1.7	680	2040	25.5	C66H685-H2E05000
6.5	57	45	30	52.5	10.2	1.2	2.8	390	1170	21.0	C66H655-H2G02000
6.5	57	45	30	52.5	20.3	1.2	2.8	390	1170	21.0	C66H655-H2G05000
9	57	50	35	52.5	20.3	1.2	2.1	540	1620	25.0	C66H905-H2G05000
10	57	57	35	52.5	20.3	1.2	2	600	1800	26.0	C66H106-H2G05000
12	57	60	40	52.5	20.3	1.2	1.7	720	2160	31.0	C66H126-H2G05000
15	57	60	45	52.5	20.3	1.2	1.5	900	2700	32.0	C66H156-H2G05000

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

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	6.9	170	510	8.0	C66H105-T1B00000
1	32	33	18	27.5	10.2	0.8	6.2	170	510	8.5	C66H105-T1B02000
1.5	32	37	22	27.5	-	0.8	5	255	765	10.0	C66H155-T1B00000
1.5	32	37	22	27.5	10.2	0.8	4.3	255	765	11.0	C66H155-T1B02000
1.5	42	33.5	18.5	37.5	-	1	6.5	165	495	9.5	C66H155-T1E00000
1.5	42	33.5	18.5	37.5	10.2	1	6	165	495	10.0	C66H155-T1E02000
2	42	37	22	37.5	-	1	5.1	220	660	12.0	C66H205-T1E00000
2	42	37	22	37.5	10.2	1	4.6	220	660	12.5	C66H205-T1E02000
2.7	42	41	26	37.5	-	1	4.1	297	891	14.0	C66H275-T1E00000
2.7	42	41	26	37.5	10.2	1	3.6	297	891	15.0	C66H275-T1E02000
3.5	42	45	30	37.5	10.2	1.2	2.7	385	1155	18.5	C66H355-T1E02000
3.5	42	45	30	37.5	20.3	1.2	2.7	385	1155	18.5	C66H355-T1E05000
4	42	50	30	37.5	10.2	1.2	2.4	440	1320	19.5	C66H405-T1E02000
4	42	50	30	37.5	20.3	1.2	2.4	440	1320	19.5	C66H405-T1E05000
5.5	42	55	35	37.5	20.3	1.2	1.9	605	1815	23.0	C66H555-T1E05000
5	57	45	30	52.5	10.2	1.2	3.3	350	1050	18.5	C66H505-T1G02000
5	57	45	30	52.5	20.3	1.2	3.3	350	1050	18.5	C66H505-T1G05000
7	57	50	35	52.5	20.3	1.2	2.5	490	1470	23.0	C66H705-T1G05000
9	57	57	35	52.5	20.3	1.2	2	630	1890	26.0	C66H905-T1G05000
10	57	60	40	52.5	20.3	1.2	1.9	700	2100	27.5	C66H106-T1G05000
12	57	60	45	52.5	20.3	1.2	1.7	840	2520	32.0	C66H126-T1G05000

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/℃)

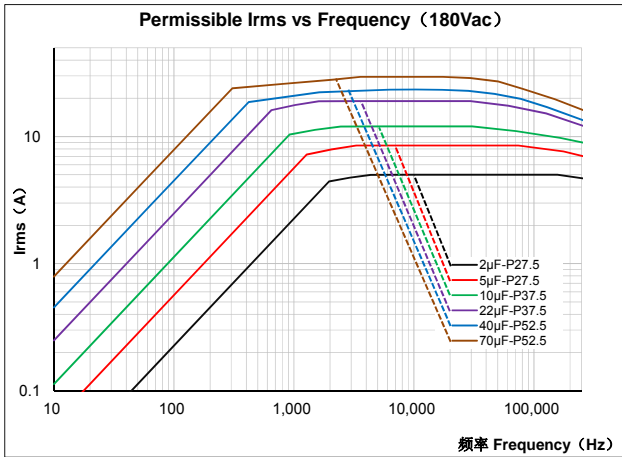


CBB66H (THB)

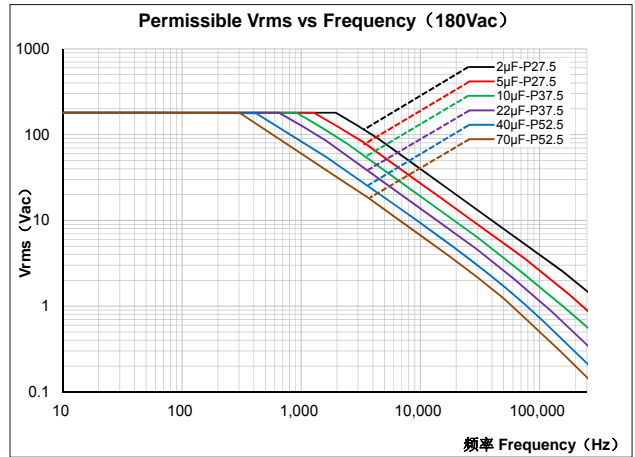
中星 CBB66H series (THB)

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

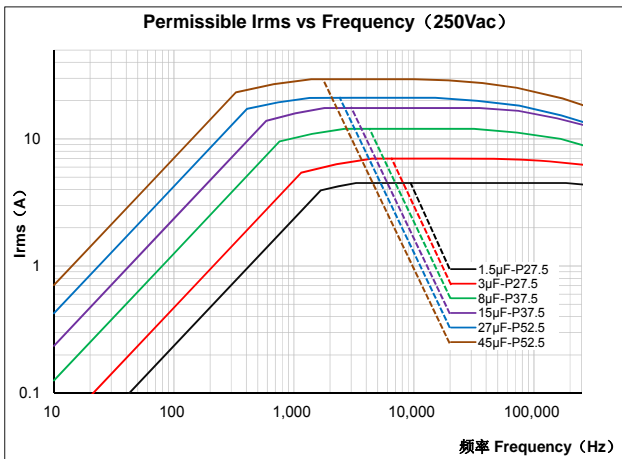
180Vac-P27.5~P52.5mm (Irms):



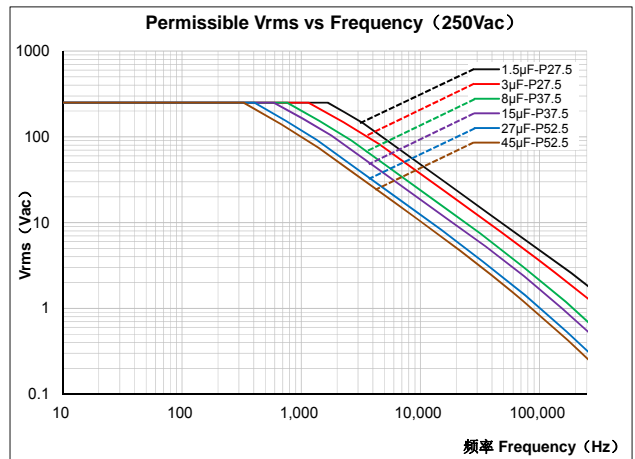
180Vac-P27.5~P52.5mm (Vrms):



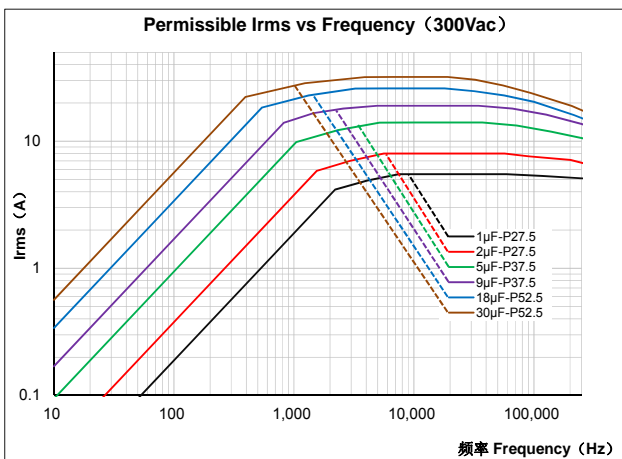
250Vac-P27.5~P52.5mm (Irms):



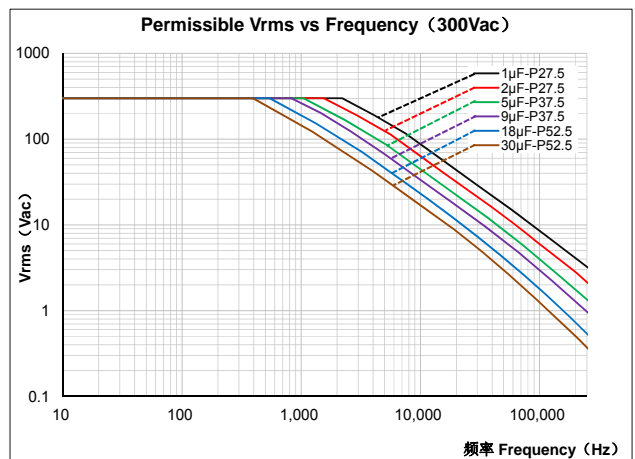
250Vac-P27.5~P52.5mm (Vrms):



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



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



注:

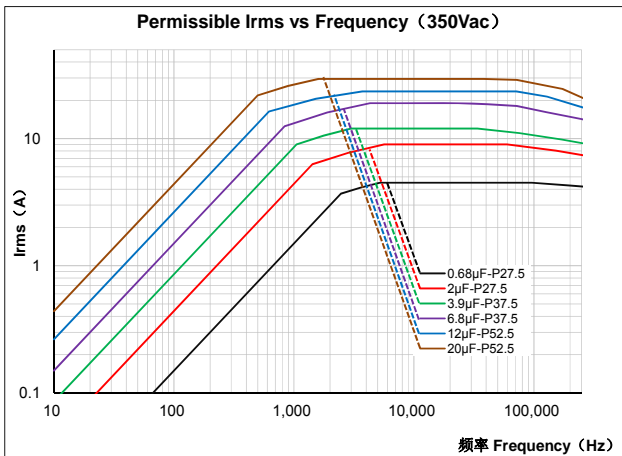
纹波电流或纹波电压值基于 $T_{amb}=85^{\circ}C$ 条件下;
产品散热系数: $10W/m^2/^{\circ}C$;
当 $f \geq 100kHz$, I_{rms} 和 V_{rms} 仅供参考。

Note:

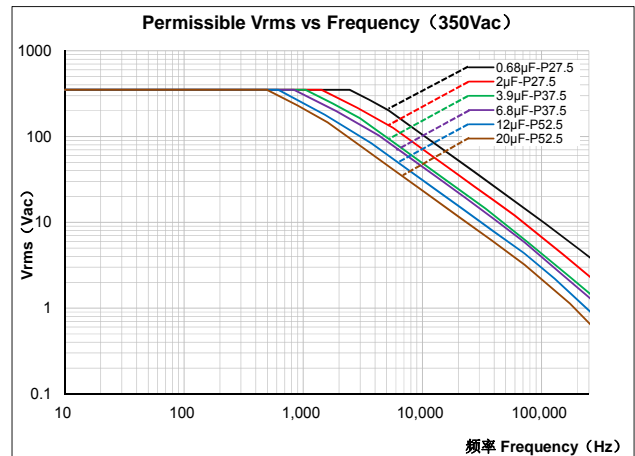
Permissible Vrms & Irms curves frequency f at $T_{amb}=85^{\circ}C$;
Coefficient of heat dissipation: $10W/m^2/^{\circ}C$;
At $f \geq 100kHz$, I_{rms} & V_{rms} are only for reference.

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

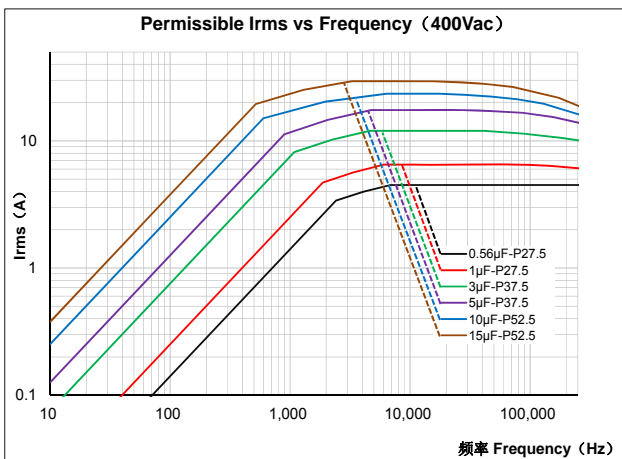
350Vac-P27.5~P52.5mm (Irms):



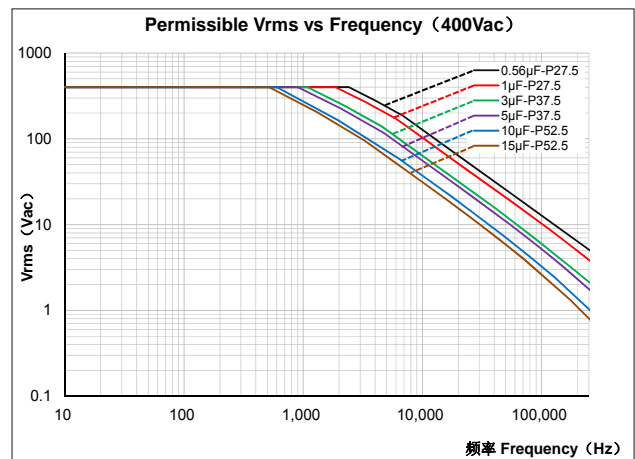
350Vac-P27.5~P52.5mm (Vrms):



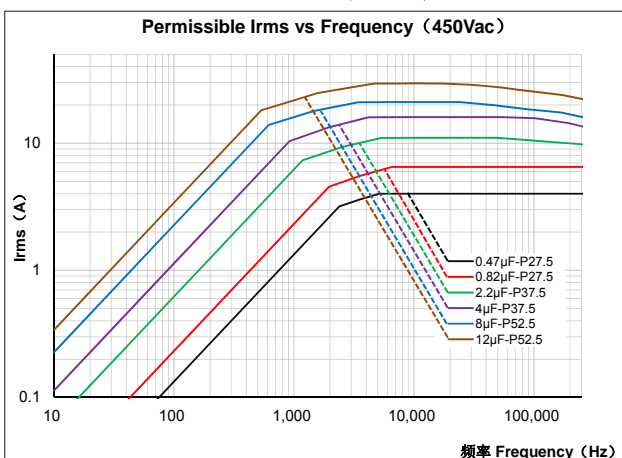
400Vac-P27.5~P52.5mm (Irms):



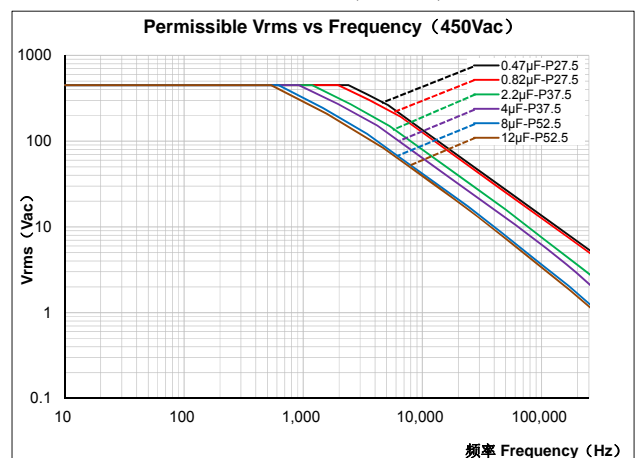
400Vac-P27.5~P52.5mm (Vrms):



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.

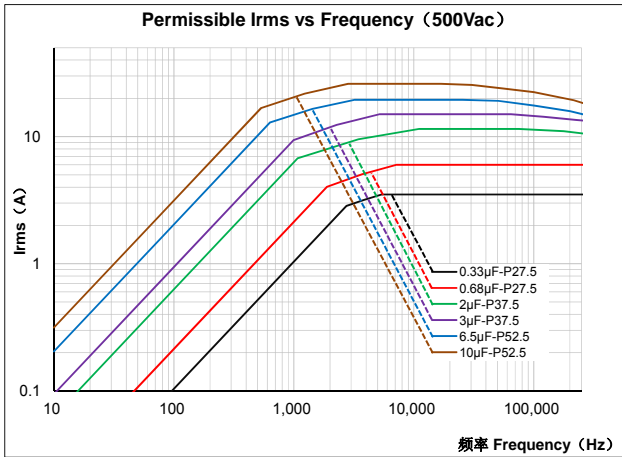


CBB66H (THB)

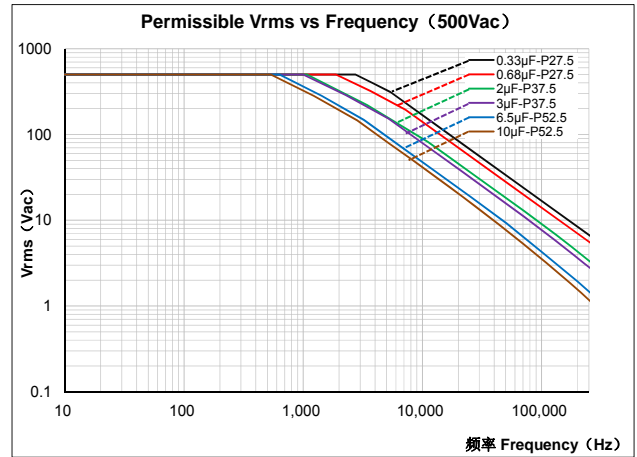
CBB66H series (THB)

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

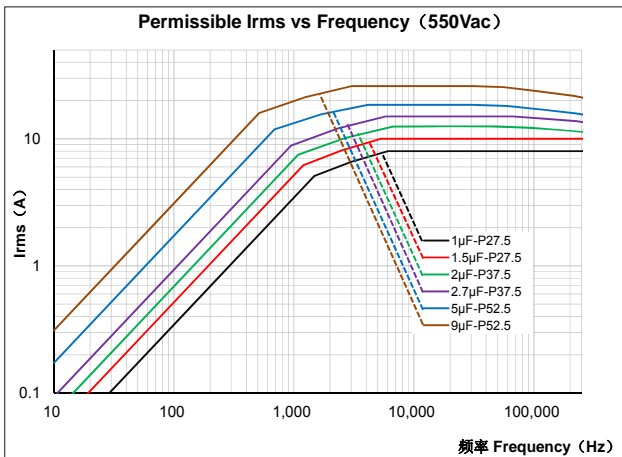
500Vac-P27.5~P52.5mm (Irms):



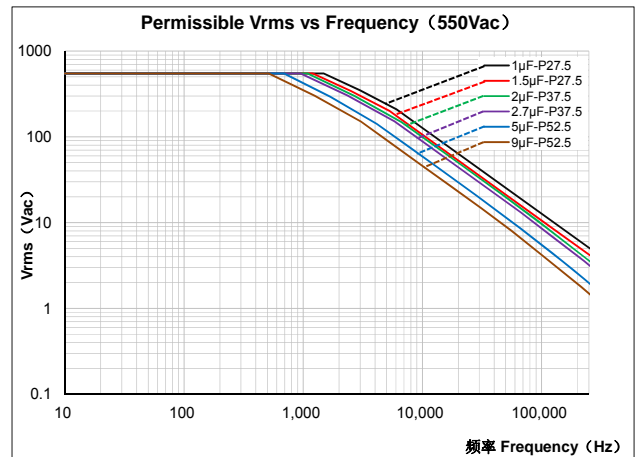
500Vac-P27.5~P52.5mm (Vrms):



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 : ≤ 3.0 % Increase of tan δ: ≤ 20 ×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 =85 °C RH = 85 % at Ur Duration: 1000h	No visible damage ΔC/C : ≤ 10.0% R _{ins} : ≥200 MΩ
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