包封金属化聚丙烯膜阻容降压型电容器

(MPP/CBB21-RC)规格书

特点

■电容器容量范围从 0.01uF 到 3.3uF。

■工作温度：-40℃～105℃

■储存温度：15℃~35℃

■金属化聚丙烯膜组成。

■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量稳定性。

■阻燃性环氧粉末包封（UL94V-0）。

用途

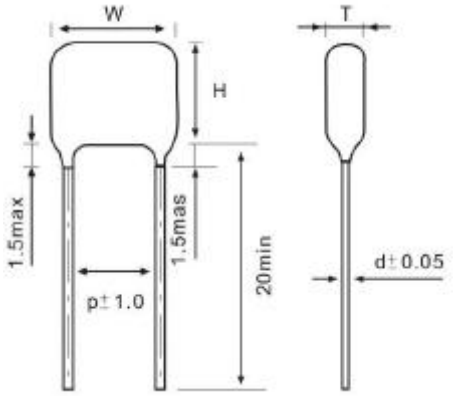
■广泛应用于电表、LED 驱动中。

料号与订货信息请咨询。

技术要求

气候类别	40/100/21
额定电压	100VAC、220VAC、250VAC、275VAC
损耗角正切	≤0.1%(1KHz、1.0Vrms、20℃)
耐电压	1.6U_R (5s)
绝缘电阻	C≤0.33uF,IR≥50000MΩ C＞0.33uF,IR≥15000S (AT 100VDC、60SEC、20℃)

外形尺寸 (mm)

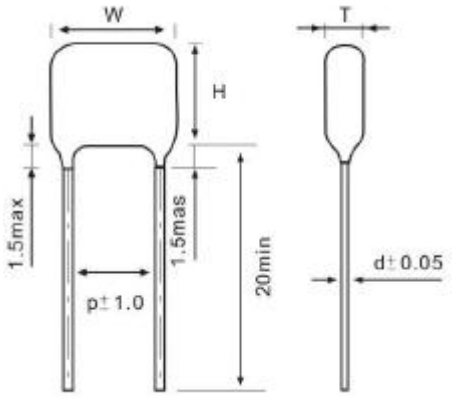
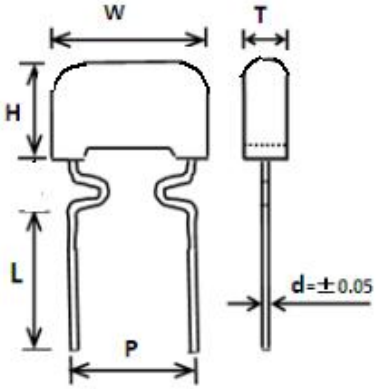


容量(uF)	电压	尺寸(mm)				
		W Max	H Max	T Max	P±1.0	d±0.05
0.01	100VAC	10.0	9.0	5.0	7.5	0.6
	220VAC	10.0	9.0	5.0	7.5	0.6
	250VAC	13.0	9.0	5.5	10.0	0.6
	275VAC	13.0	9.0	5.5	10.0	0.6
0.015	100VAC	10.0	9.0	5.5	7.5	0.6
	220VAC	10.0	9.0	5.5	7.5	0.6
	250VAC	13.0	9.0	5.5	10.0	0.6
	275VAC	13.0	11.0	6.0	10.0	0.6
0.018	100VAC	10.0	9.5	5.5	7.5	0.6
	220VAC	10.0	9.5	5.5	7.5	0.6
	250VAC	13.0	9.0	5.5	10.0	0.6
	275VAC	13.0	9.0	5.5	10.0	0.6
0.022	100VAC	10.0	8.5	5.5	7.5	0.6
	220VAC	10.0	8.5	5.5	7.5	0.6
	250VAC	13.0	9.0	5.5	10.0	0.6
	275VAC	13.0	9.0	5.5	10.0	0.6
0.027	100VAC	10.0	9.5	5.5	7.5	0.6
	220VAC	10.0	9.5	5.5	7.5	0.6
	250VAC	13.0	9.0	5.5	10.0	0.6
	275VAC	13.0	9.0	5.5	10.0	0.6
0.033	100VAC	10.0	9.5	6.0	7.5	0.6
	220VAC	10.0	9.5	6.0	7.5	0.6
	250VAC	13.0	10.0	6.0	10.0	0.6
	275VAC	13.0	10.0	6.0	10.0	0.6

容量(uF)	电压	尺寸(mm)				
		W Max	H Max	T Max	P±1.0	d±0.05
0.047	100VAC	10.0	9.5	5.5	7.5	0.6
	220VAC	10.0	9.5	5.5	7.5	0.6
	250VAC	13.0	9.0	5.5	10.0	0.6
	275VAC	13.0	10.5	6.5	10.0	0.6
0.056	100VAC	10.0	9.0	5.5	7.5	0.6
	220VAC	10.0	9.0	5.5	7.5	0.6
	250VAC	13.0	8.5	5.5	10.0	0.6
	275VAC	13.0	11.5	7.5	10.0	0.6
0.068	100VAC	10.0	9.5	6.0	7.5	0.6
	220VAC	10.0	9.5	6.0	7.5	0.6
	250VAC	13.0	9.5	6.0	10.0	0.6
	275VAC	18.0	11.0	6.0	15.0	0.8
0.1	100VAC	10.0	10.0	6.5	7.5	0.6
	220VAC	10.0	10.0	6.5	7.5	0.6
	250VAC	13.0	10.5	6.0	10.0	0.6
	275VAC	18.0	10.5	7.0	15.0	0.8
0.15	100VAC	13.0	10.5	6.5	10.0	0.6
	220VAC	13.0	10.5	6.5	10.0	0.6
	250VAC	13.0	11.5	7.0	10.0	0.6
	275VAC	18.0	13.0	7.5	15.0	0.8
0.22	100VAC	13.0	11.0	7.0	10.0	0.6
	220VAC	13.0	11.0	7.0	10.0	0.6
	250VAC	18.0	13.0	7.5	15.0	0.8
	275VAC	18.0	14.5	8.5	15.0	0.8
0.33	100VAC	13.0	12.5	8.5	10.0	0.6
	220VAC	13.0	12.5	8.5	10.0	0.6
	250VAC	18.0	14.5	7.0	15.0	0.8
	275VAC	18.0	17.5	10.0	15.0	0.8
0.47	100VAC	18.0	12.5	7.0	15.0	0.8
	220VAC	18.0	12.5	7.0	15.0	0.8
	250VAC	18.0	15.5	8.5	15.0	0.8
	275VAC	23.0	18.5	11.0	20.0	0.8
0.68	100VAC	18.0	14.5	8.0	15.0	.0.8
	220VAC	18.0	14.5	8.0	15.0	0.8
	250VAC	18.0	17.0	10.0	15.0	0.8
	275VAC	25.0	19.5	10.5	22.5	0.8

容量(uF)	电压	尺寸(mm)				
		W Max	H Max	T Max	P±1.0	d±0.05
1.0	100VAC	18.0	16.5	10.0	15.0	0.8
	220VAC	18.0	16.5	10.0	15.0	0.8
	250VAC	23.0	17.5	9.5	20.0	0.8
	275VAC	31.0	21.0	12.5	27.5	0.8
1.5	100VAC	23.0	17.5	9.5	20.0	0.8
	220VAC	23.0	17.5	9.5	20.0	0.8
	250VAC	31.0	17.5	9.0	27.5	0.8
	275VAC	31.0	24.5	14.5	27.5	0.8
2.0	100VAC	23.0	19.5	10.5	20.0	0.8
	220VAC	23.0	19.5	10.5	20.0	0.8
	250VAC	31.0	19.5	10.5	27.5	0.8
2.2	100VAC	23.0	19.5	11.5	20.0	0.8
	220VAC	23.0	19.5	11.5	20.0	0.8
	250VAC	31.0	20.0	11.5	27.5	0.8
3.0	100VAC	31.0	19.5	11.0	27.5	0.8
	220VAC	31.0	19.5	11.0	27.5	0.8
	250VAC	31.0	22.5	13.5	27.5	0.8
3.3	100VAC	31.0	20.0	11.5	27.5	0.8
	220VAC	31.0	20.0	11.5	27.5	0.8
	250VAC	31.0	24.0	14.5	27.5	0.8

脚型、脚长说明

脚型	图示	脚长 L (mm)
长直脚脚型		①[2.5≤L＜6.0]+/-0.5; ②[6.0≤L≤10]+/-1.0
内弯脚型		①[2.5≤L＜6.0]+/-0.5; ②[6.0≤L≤10]+/-1.0

编带尺寸 (mm)

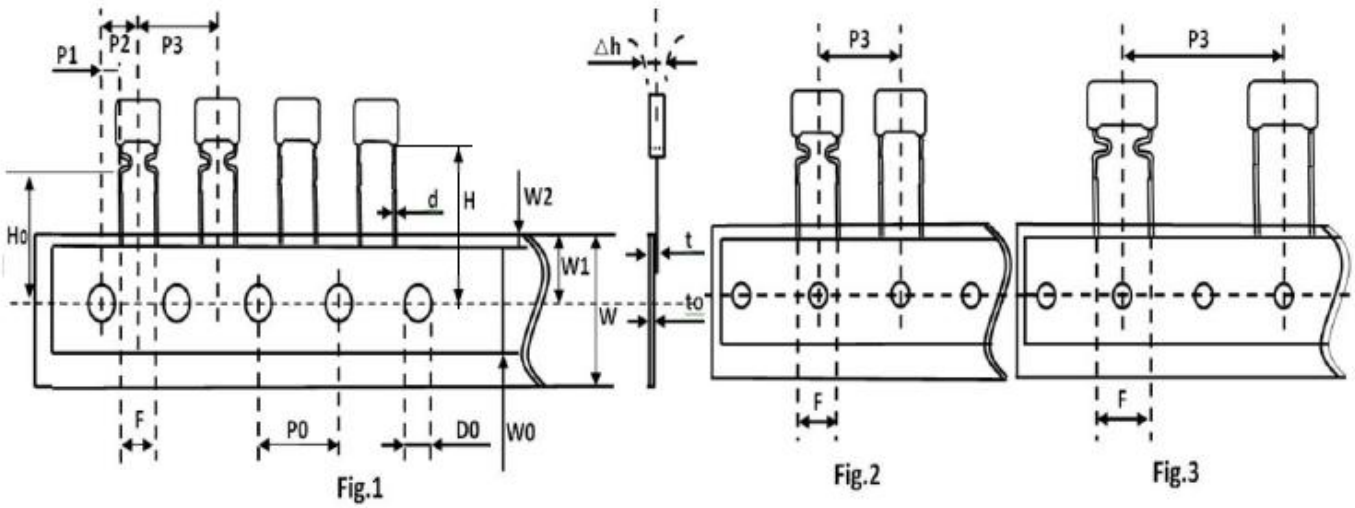


Fig.1

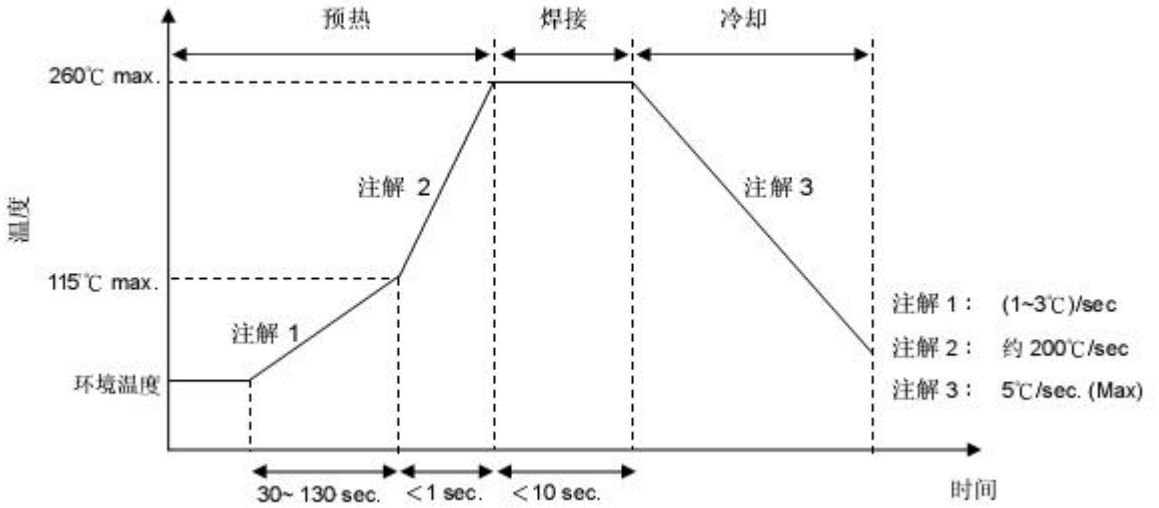
Fig.2

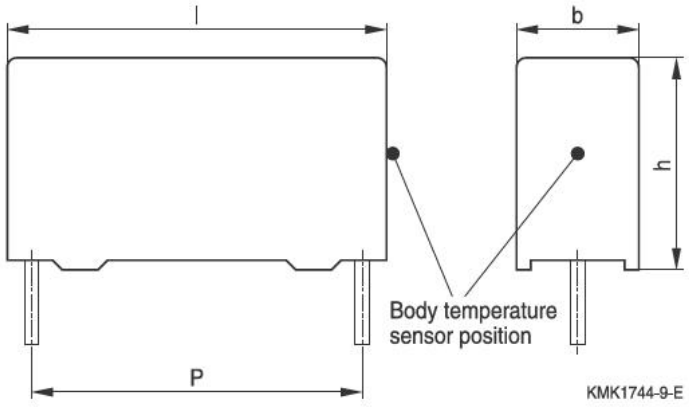
Fig.3

代码	Fig.1	Fig.2	Fig.2	Fig.3	Fig.3	误差
	P=5.0	P=7.5	P=10	P=15	P=20/22.5	
P3	12.7	12.7	12.7	25.4	30.0	±1.0
P2	6.35	/	/	/	/	±1.3
P0	12.7	12.7	12.7	12.7	15.0	±0.3
P1	3.85	/	/	/	/	±0.7
F	5.0	7.5	10.0	15.0	20.0/22.5	±1.0
H	20.0	20.0	20.0	20.0	20.0	±1.0
H0	16.5	16.5	16.5	16.5	16.5	±0.5
Δ h	0	0	0	0	0	±2.0
W	18.0	18.0	18.0	18.0	18.0	+1.0/-0.5
W0	12.0	12.0	12.0	12.0	12.0	±1.0
W1	9.0	9.0	9.0	9.0	9.0	±0.5
W2	3.0	3.0	3.0	3.0	3.0	Max
D0	4.0	4.0	4.0	4.0	4.0	±0.3
d	0.5	0.6	0.6	0.8	0.8	±0.05
t	1.0	1.1	1.1	1.4	1.4	±0.2
t0	0.38	0.38	0.38	0.47	0.47	±0.04

焊接条件：

波峰焊曲线





PP:
During pre-heating: Tp ≤110℃
During soldering: Ts ≤120℃, ts ≤15 s
PE:
During pre-heating: Tp ≤125℃
During soldering: Ts ≤160℃, ts ≤15 s

烙铁重工焊接条件

项目	条件
烙铁头部温度	350℃(max.)
焊接时间	3 sec(max.)
焊接位置与涂装层距离	2 mm(min.)

注：薄膜电容器不适合回流焊焊接，否则产品会因热收缩导致性能问题。