包封金属化聚酯膜阻容降压型电容器

(MEF/CL21-RC)规格书

特点

■电容器容量范围从 0.01uF 到 10.0uF。

■工作温度：-40℃～125℃。

(+105℃ 到 +125℃ 每上升 1℃，降低 1.25%电压)

■储存温度：15℃~35℃。

■金属化聚酯膜，无感结构。

■自愈性优异，能承受浪涌电压冲击。

■长期负载下优异的电容量稳定性。

■阻燃环氧粉末包封(UL94 V-0)。

用途

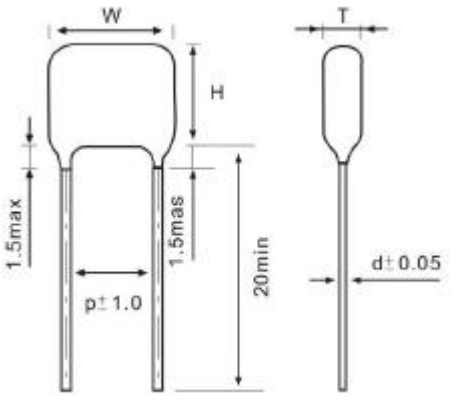
■适用于电表、LED 驱动等。

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	≤1.0%(1KHz、1.0Vrms、20℃)
耐电压	1.6U_R(5s)
绝缘电阻	U_R ＞100V C≤0.33uF,IR≥30000MΩ C＞0.33uF,IR≥10000S U_R≤100V C≤0.33uF,IR≥15000MΩ C＞0.33uF,IR≥5000S (AT 100VDC、60SEC、20℃)

外形尺寸 (mm)

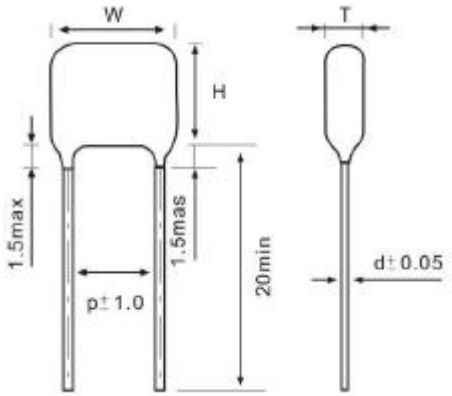
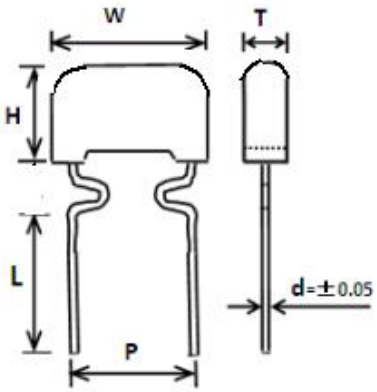


容量(uF)	电压	尺寸(mm)				
		W Max	H Max	T Max	P±1.0	d±0.05
0.01	100VAC	10.0	8.0	4.5	7.5	0.6
	220VAC	10.0	8.0	4.5	7.5	0.6
	250VAC	10.0	8.0	4.5	7.5	0.6
	275VAC	13.0	8.5	5.5	10.0	0.6
0.015	100VAC	10.0	8.5	5.0	7.5	0.6
	220VAC	10.0	8.5	5.0	7.5	0.6
	250VAC	10.0	8.5	5.0	7.5	0.6
	275VAC	13.0	9.5	6.0	10.0	0.6
0.022	100VAC	10.0	8.0	5.0	7.5	0.6
	220VAC	10.0	8.0	5.0	7.5	0.6
	250VAC	13.0	9.5	5.5	10.0	0.6
	275VAC	13.0	9.5	5.5	10.0	0.6
0.033	100VAC	10.0	8.5	5.0	7.5	0.6
	220VAC	10.0	8.5	5.0	7.5	0.6
	250VAC	13.0	9.5	5.5	10.0	0.6
	275VAC	13.0	9.5	5.5	10.0	0.6
0.047	100VAC	10.0	8.5	5.0	7.5	0.6
	220VAC	10.0	9.0	5.5	7.5	0.6
	250VAC	13.0	8.0	5.0	10.0	0.6
	275VAC	13.0	9.5	6.5	10.0	0.6
0.068	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	6.0	10.0	0.6
	275VAC	13.0	11.5	7.0	10.0	0.6

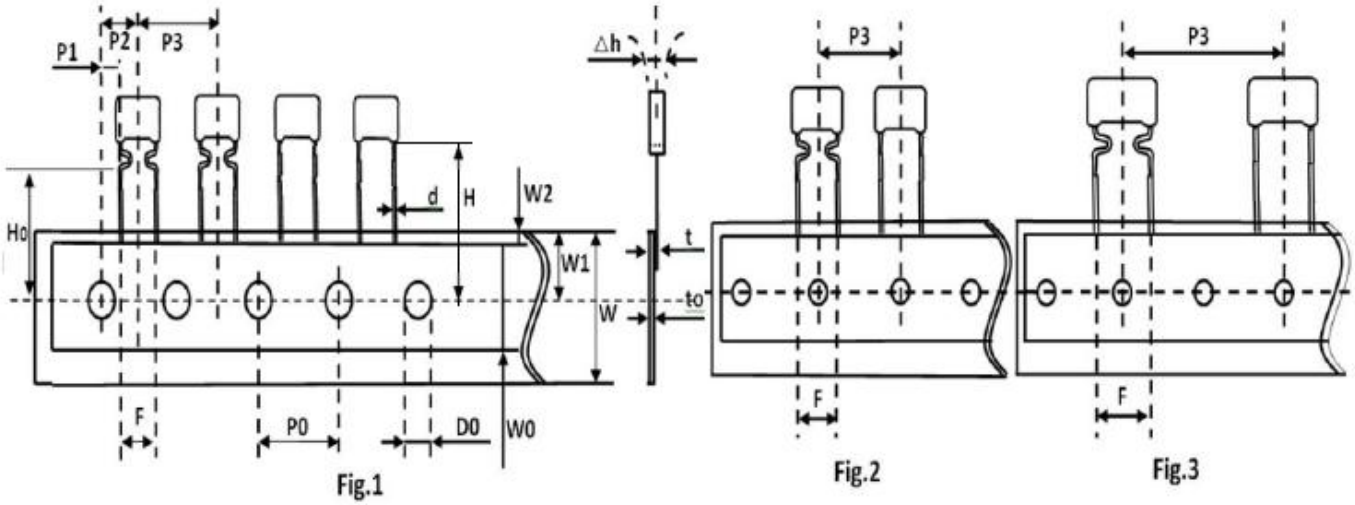
容量(uF)	电压	尺寸(mm)				
		W Max	H Max	T Max	P±1.0	d±0.05
0.1	100VAC	10.0	9.5	5.5	7.5	0.6
	220VAC	13.0	9.5	5.5	10.0	0.6
	250VAC	13.0	10.5	5.5	10.0	0.6
	275VAC	18.0	10.5	6.0	15.0	0.8
0.15	100VAC	13.0	8.5	5.5	10.0	0.6
	220VAC	13.0	10.5	5.0	10.0	0.6
	250VAC	13.0	11.5	7.0	10.0	0.6
	275VAC	18.0	12.0	7.0	15.0	0.8
0.22	100VAC	13.0	8.5	5.5	10.0	0.6
	220VAC	13.0	11.0	6.0	10.0	0.6
	250VAC	18.0	12.0	6.5	15.0	0.8
	275VAC	18.0	13.5	8.0	15.0	0.8
0.33	100VAC	13.0	8.5	5.5	10.0	0.6
	220VAC	18.0	10.5	6.0	15.0	0.8
	250VAC	18.0	12.5	7.0	15.0	0.8
	275VAC	18.0	16.5	9.5	15.0	0.8
0.47	100VAC	13.0	9.0	5.5	10.0	0.6
	220VAC	18.0	12.0	6.5	15.0	0.8
	250VAC	18.0	15.0	8.0	15.0	0.8
	275VAC	23.0	16.5	9.5	20.0	0.8
0.68	100VAC	13.0	10.0	6.0	10.0	0.6
	220VAC	18.0	13.5	8.0	15.0	0.8
	250VAC	18.0	17.0	9.5	15.0	0.8
	275VAC	23.0	18.0	11.0	20.0	0.8
1.0	100VAC	18.0	13.0	7.5	15.0	0.8
	220VAC	18.0	15.5	9.5	15.0	0.8
	250VAC	23.0	17.5	9.5	20.0	0.8
	275VAC	25.0	20.0	12.5	22.5	0.8
1.2	100VAC	18.0	12.0	7.0	15.0	0.8
	220VAC	23.0	15.0	8.0	20.0	0.8
	250VAC	23.0	18.5	10.5	20.0	0.8
	275VAC	31.0	21.0	12.0	27.5	0.8
1.5	100VAC	18.0	12.5	7.5	15.0	0.8
	220VAC	23.0	16.5	9.0	20.0	0.8
	250VAC	25.0	19.0	10.5	22.5	0.8
	275VAC	31.0	22.5	13.5	27.5	0.8

容量(uF)	电压	尺寸(mm)				
		W Max	H Max	T Max	P±1.0	d±0.05
2.2	100VAC	18.0	16.0	10.0	15.0	0.8
	220VAC	23.0	20.0	9.0	20.0	0.8
	250VAC	31.0	20.0	11.0	27.5	0.8
3.3	100VAC	23.0	15.5	8.5	20.0	0.8
	220VAC	25.0	21.0	11.5	22.5	0.8
	250VAC	31.0	23.0	13.5	27.5	0.8
4.7	100VAC	23.0	17.0	10.0	20.0	0.8
	220VAC	31.0	22.0	12.5	27.5	0.8
6.8	100VAC	25.0	18.0	12.0	22.5	0.8
10.0	100VAC	31.0	19.0	12.0	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

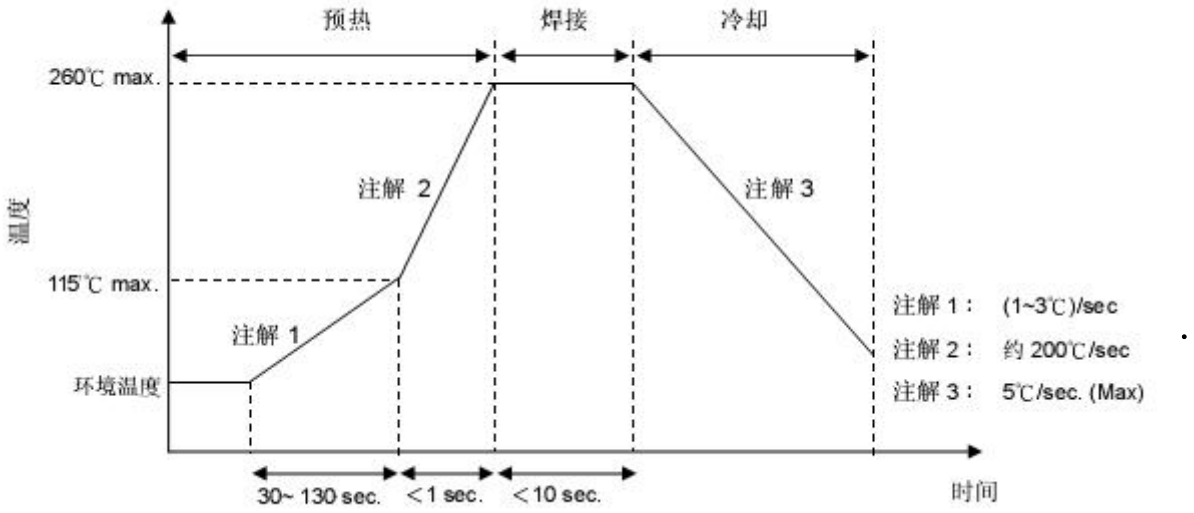
编带尺寸 (mm)

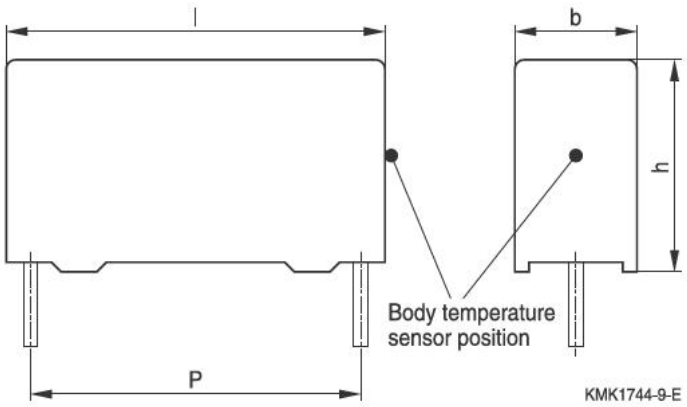


代码	Fig.1	Fig.2	Fig.2	Fig.3	Fig.3	误差
	P=5.0	P=7.5	P=10	P=15	P=20/22.5	
P3	12.7	12.7	12.7	25.4	30.0	±1.0
P2	6.35	/	/	/	/	±1.3
P0	12.7	12.7	12.7	12.7	15.0	±0.3
P1	3.85	/	/	/	/	±0.7
F	5.0	7.5	10.0	15.0	20.0/22.5	±1.0
H	20.0	20.0	20.0	20.0	20.0	±1.0
H0	16.5	16.5	16.5	16.5	16.5	±0.5
Δ h	0	0	0	0	0	±2.0
W	18.0	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。