

CL21 (MEF)  
金属化聚酯膜电容器

RoHS



■采用标准

GB7332 (IEC384-2)

■结构

介质：聚酯膜。  
电极：金属真空蒸发层。  
封装：阻燃环氧树脂 (UL94 V-0)。  
引线：镀锡铜包钢线 (CP 线) 或镀锡铜线。

■典型应用

直流及低脉冲场合。如：低频滤波、隔直流及旁路等。  
不推荐使用在交流、滤波、振荡及高频场合。

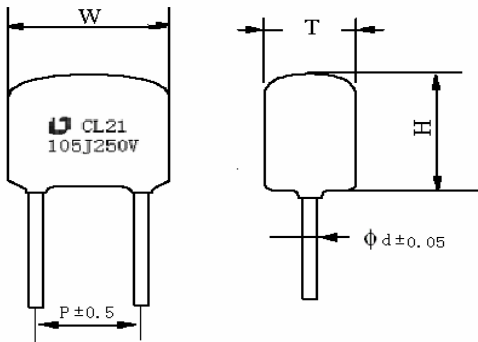
■特点

体积很小，有良好自愈性；  
有脉冲强度，高可靠性。  
当额定电压大于 250V 时推荐使用 CBB21 替代。

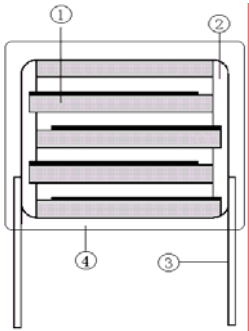
■技术参数

|              |                                                                                                              |    |                      |    |    |    |
|--------------|--------------------------------------------------------------------------------------------------------------|----|----------------------|----|----|----|
| 气候条件         | -40--+85℃                                                                                                    |    |                      |    |    |    |
| 额定电压 VDC     | 100V、250V、400V、                                                                                              |    |                      |    |    |    |
| 容量范围         | 0.0022μF-12μF                                                                                                |    |                      |    |    |    |
| 容量偏差         | ±5%    ±10%                                                                                                  |    |                      |    |    |    |
| 耐电压          | 1.6UR    (5S)                                                                                                |    |                      |    |    |    |
| 绝缘电阻或时间常数    | ≤0.33μF                                                                                                      |    | ≥7500M Ω             |    |    |    |
|              | >0.33μF                                                                                                      |    | ≥2500S    (M Ω . μF) |    |    |    |
| 损耗角正切        | ≤0.01    1kHz                  20℃                                                                           |    |                      |    |    |    |
| 稳态湿热         | 温度：40±2℃<br>湿度：93%RH<br>持续时间：21 天<br>无可见损伤，标志清晰<br>电容量：ΔC/C≤5%<br>损耗角正切（1KHz）：增加≤0.005<br>绝缘电阻 IR： ≥额定值的 50% |    |                      |    |    |    |
| 耐久性          | +85℃，1000h<br>施加电压：1.25×UR：<br>电容量：ΔC/C≤10%<br>绝缘电阻 IR： ≥额定值的 50%                                            |    |                      |    |    |    |
| dv/dt (v/μs) | 脚距                                                                                                           | 10 | 15                   | 20 | 25 | 31 |
|              | 250V                                                                                                         | 20 | 10                   | 8  | 5  | 5  |
|              | 400V                                                                                                         | 50 | 20                   | 10 | 8  | 8  |

■外形尺寸



■结构图



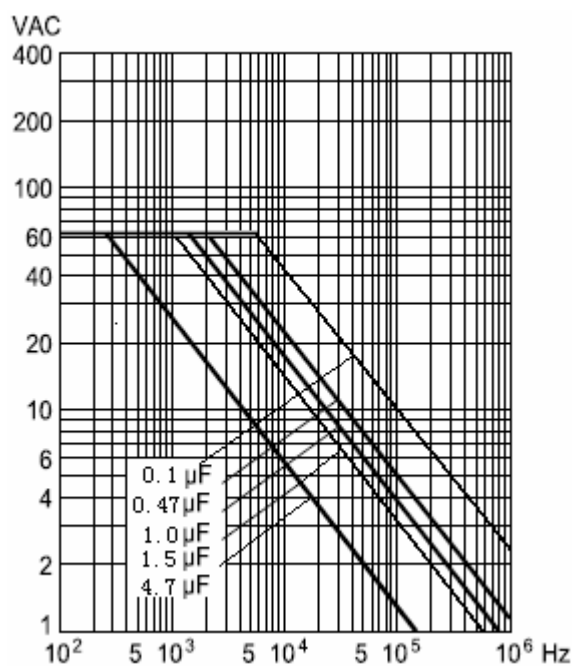
- 说明：
- ① 金属化聚酯膜
  - ② 喷金层
  - ③ CP 线
  - ④ 环氧树脂

■交流和直流电压的对应关系

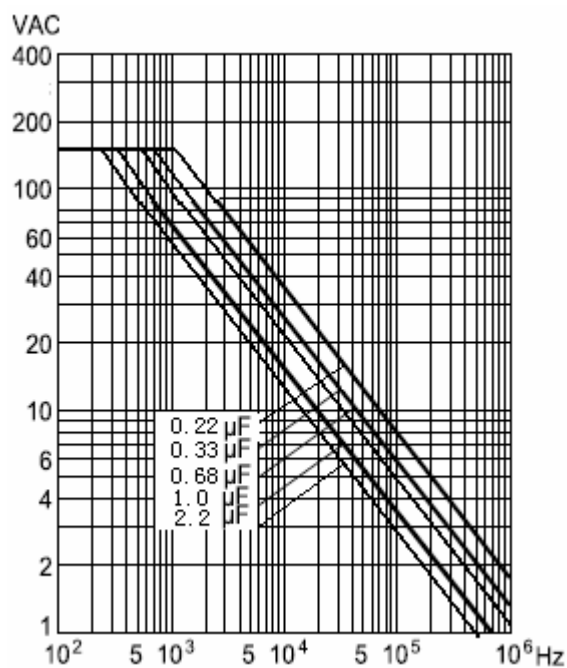
|         |        |        |        |
|---------|--------|--------|--------|
| 直流电压 DC | 100VDC | 250VDC | 400VDC |
| 交流电压 AC | 63VAC  | 160VAC | 200VAC |

■交流耐压与频率的关系曲线

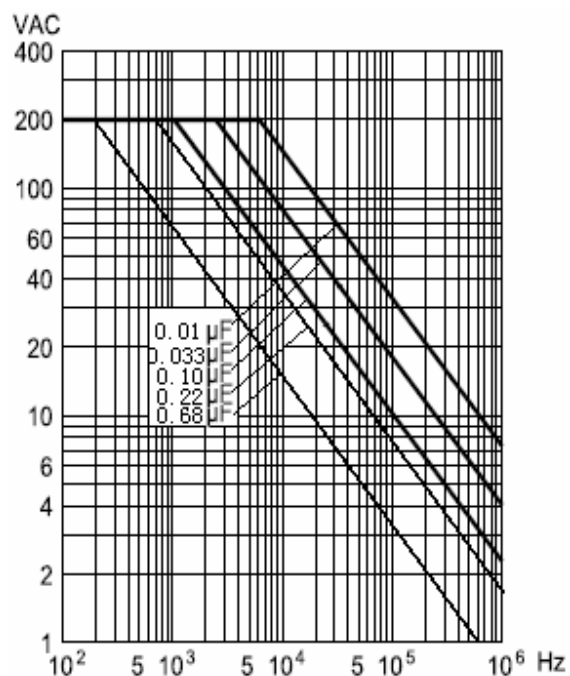
100VDC/63VAC



250VDC/160VAC



400VDC/200VAC





CL21 (MEF) 电容器规格尺寸表

| 容量     | 产品编码.               | 外形尺寸 (mm) |        |       | 脚距 (mm) |
|--------|---------------------|-----------|--------|-------|---------|
|        |                     | W±1.0     | T ±1.0 | H±1.0 |         |
| 100VDC |                     |           |        |       |         |
| 104    | MEF104K(J)110030700 | 9         | 3.7    | 7.2   | 7.5     |
| 104    | MEF104K(J)110040900 | 9         | 4.2    | 9.2   | 7.5     |
| 104    | MEF104K(J)113030800 | 13        | 4.0    | 9.0   | 10      |
| 124    | MEF124K(J)110040800 | 9         | 4.0    | 8.0   | 7.5     |
| 124    | MEF124K(J)110040900 | 9         | 4.5    | 9.5   | 7.5     |
| 124    | MEF124K(J)113040900 | 13        | 4.3    | 9.3   | 10      |
| 154    | MEF154K(J)110040800 | 9         | 4.2    | 8.5   | 7.5     |
| 154    | MEF154K(J)110051000 | 9         | 5.5    | 10.5  | 7.5     |
| 154    | MEF154K(J)113040900 | 13        | 5.0    | 10.0  | 10      |
| 184    | MEF184K(J)110040900 | 9         | 4.5    | 8.7   | 7.5     |
| 184    | MEF184K(J)113051000 | 13        | 5.5    | 10.5  | 10      |
| 224    | MEF224K(J)110040700 | 9         | 5.0    | 8.5   | 7.5     |
| 224    | MEF224K(J)110050900 | 9         | 5.2    | 9.5   | 7.5     |
| 224    | MEF224K(J)113040900 | 13        | 4.2    | 9.2   | 10      |
| 224    | MEF224K(J)113051000 | 13        | 6.0    | 11.0  | 10      |
| 274    | MEF274K(J)110040700 | 9         | 5.4    | 8.9   | 7.5     |
| 274    | MEF274K(J)113040700 | 13        | 3.4    | 8.4   | 10      |
| 274    | MEF274K(J)110051000 | 9         | 6.5    | 11.7  | 7.5     |
| 274    | MEF274K(J)113040900 | 13        | 4.5    | 9.5   | 10      |
| 274    | MEF274K(J)113061100 | 13        | 6.5    | 11.7  | 10      |
| 334    | MEF334K(J)110040800 | 9         | 4.3    | 9.2   | 7.5     |
| 334    | MEF334K(J)113040700 | 13        | 3.8    | 8.7   | 10      |
| 334    | MEF334K(J)113051000 | 13        | 5.3    | 10.5  | 10      |
| 334    | MEF334K(J)119051000 | 18        | 5.5    | 10.6  | 15      |
| 334    | MEF334K(J)113061100 | 13        | 7.5    | 13.0  | 10      |
| 394    | MEF394K(J)110050900 | 9         | 6.3    | 9.9   | 6       |
| 394    | MEF394K(J)113040800 | 13        | 5.6    | 9.0   | 10      |
| 394    | MEF394K(J)113051000 | 13        | 5.5    | 10.8  | 10      |
| 394    | MEF394K(J)119051000 | 18        | 6.0    | 11.0  | 15      |
| 474    | MEF474K(J)110050900 | 9         | 6.5    | 10.8  | 7.5     |
| 474    | MEF474K(J)113050800 | 13        | 6.2    | 9.7   | 10      |
| 474    | MEF474K(J)113061100 | 13        | 6.3    | 11.3  | 10      |
| 474    | MEF474K(J)119040900 | 18        | 4.5    | 9.5   | 15      |
| 474    | MEF474K(J)119051200 | 18        | 5.7    | 12.5  | 15      |
| 564    | MEF564K(J)110050800 | 9         | 6.0    | 10.4  | 7.5     |
| 564    | MEF564K(J)113050900 | 13        | 6.2    | 10.6  | 10      |
| 564    | MEF564K(J)119051000 | 18        | 5.2    | 10.3  | 15      |
| 564    | MEF564K(J)119061300 | 18        | 6.4    | 13.0  | 15      |
| 684    | MEF684K(J)110061100 | 9         | 6.5    | 10.9  | 7.5     |
| 684    | MEF684K(J)113051000 | 13        | 6.7    | 11.0  | 10      |
| 684    | MEF684K(J)119051000 | 18        | 5.6    | 10.8  | 15      |
| 824    | MEF824K(J)113061100 | 13        | 6.9    | 12.0  | 10      |
| 824    | MEF824K(J)119061100 | 18        | 6.5    | 11.5  | 15      |
| 105    | MEF105K(J)113061100 | 13        | 7.5    | 12.6  | 10      |
| 105    | MEF105K(J)119061100 | 18        | 7.0    | 12.4  | 15      |
| 125    | MEF125K(J)113071200 | 13        | 8.1    | 13.2  | 10      |
| 125    | MEF125K(J)119061300 | 18        | 7.2    | 14.2  | 15      |
| 155    | MEF155K(J)119071400 | 18        | 8.0    | 15.0  | 15      |
| 155    | MEF155K(J)124061300 | 23        | 7.0    | 13.3  | 20      |
| 185    | MEF185K(J)119081500 | 18        | 8.9    | 15.9  | 15      |
| 185    | MEF185K(J)124071300 | 23        | 7.3    | 14.3  | 20      |
| 205    | MEF205K(J)119091600 | 18        | 10.0   | 16.7  | 15      |
| 205    | MEF205K(J)124071400 | 23        | 7.7    | 14.7  | 20      |
| 225    | MEF225K(J)119101600 | 18        | 10.3   | 17.0  | 15      |
| 225    | MEF225K(J)124071400 | 23        | 8.0    | 15.0  | 20      |
| 275    | MEF275K(J)124081600 | 23        | 8.3    | 17.0  | 20      |
| 335    | MEF335K(J)124091700 | 23        | 10.0   | 18.3  | 20      |
| 335    | MEF335K(J)129071600 | 28        | 8.3    | 17.0  | 25      |
| 335    | MEF335K(J)131071600 | 30        | 8.0    | 16.5  | 27.5    |
| 395    | MEF395K(J)124101800 | 23        | 10.8   | 19.2  | 20      |
| 395    | MEF395K(J)129081700 | 28        | 9.0    | 17.5  | 25      |
| 395    | MEF395K(J)131081600 | 30        | 9.8    | 18.0  | 27.5    |
| 475    | MEF475K(J)124111900 | 23        | 11.9   | 20.3  | 20      |
| 475    | MEF475K(J)129101800 | 28        | 10.5   | 19.0  | 25      |
| 475    | MEF475K(J)131091700 | 30        | 10     | 18.4  | 27.5    |
| 565    | MEF565K(J)129111900 | 28        | 11.5   | 20.0  | 25      |
| 565    | MEF565K(J)131101900 | 30        | 10.8   | 19.3  | 27.5    |
| 685    | MEF685K(J)129122000 | 28        | 12.8   | 21.2  | 25      |
| 685    | MEF685K(J)131112000 | 30        | 12.0   | 20.3  | 27.5    |
| 825    | MEF825K(J)129132100 | 28        | 14.0   | 22.5  | 25      |
| 825    | MEF825K(J)131122100 | 30        | 13.3   | 22.0  | 27.5    |
| 825    | MEF825K(J)135112000 | 34        | 12.4   | 20.5  | 31      |
| 106    | MEF106K(J)129142300 | 28        | 15.7   | 24.0  | 25      |
| 106    | MEF106K(J)131142200 | 30        | 14.8   | 23.0  | 27.5    |
| 106    | MEF106K(J)135132100 | 34        | 13.8   | 22.1  | 31      |
| 126    | MEF126K(J)129162400 | 28        | 17.2   | 25.5  | 25      |
| 126    | MEF126K(J)131152300 | 30        | 16.5   | 24.9  | 27.5    |
| 126    | MEF126K(J)135142200 | 34        | 15.2   | 23.5  | 31      |

| 容量     | 产品编码                | 外形尺寸 (mm) |        |       | 脚距 (mm) |
|--------|---------------------|-----------|--------|-------|---------|
|        |                     | W±1.0     | T ±1.0 | H±1.0 |         |
| 250VDC |                     |           |        |       |         |
| 222    | MEF222K(J)213040700 | 13        | 3.8    | 7.3   | 10      |
| 272    | MEF272K(J)213040700 | 13        | 3.8    | 7.3   | 10      |
| 332    | MEF332K(J)213030700 | 13        | 3.8    | 7.3   | 10      |
| 392    | MEF392K(J)213030600 | 13        | 3.8    | 7.3   | 10      |
| 472    | MEF472K(J)213030700 | 13        | 3.8    | 7.3   | 10      |
| 562    | MEF562K(J)210030600 | 9         | 3.8    | 7.3   | 7.5     |
| 562    | MEF562K(J)213040700 | 13        | 4.0    | 8.0   | 10      |
| 682    | MEF682K(J)210030700 | 9         | 3.8    | 7.3   | 7.5     |
| 682    | MEF682K(J)213040700 | 13        | 4.0    | 9.0   | 10      |
| 822    | MEF822K(J)210040700 | 9         | 3.8    | 7.3   | 7.5     |
| 822    | MEF822K(J)213040700 | 13        | 3.8    | 7.3   | 10      |
| 103    | MEF103K(J)210040800 | 9         | 3.9    | 8.0   | 7.5     |
| 103    | MEF103K(J)213040800 | 13        | 3.9    | 8.0   | 10      |
| 123    | MEF123K(J)210040900 | 9         | 4.0    | 8.3   | 7.5     |
| 123    | MEF123K(J)213040800 | 13        | 4.0    | 8.3   | 10      |
| 153    | MEF153K(J)210040900 | 9         | 4.0    | 9.0   | 7.5     |
| 153    | MEF153K(J)213040800 | 13        | 3.8    | 8.0   | 10      |
| 183    | MEF183K(J)210040700 | 9         | 4.1    | 8.3   | 7.5     |
| 183    | MEF183K(J)213040800 | 13        | 4.1    | 8.3   | 10      |
| 223    | MEF223K(J)210040800 | 9         | 3.8    | 8.0   | 7.5     |
| 223    | MEF223K(J)213030800 | 13        | 3.8    | 8.0   | 10      |
| 273    | MEF273K(J)210040900 | 9         | 4.0    | 9.0   | 7.5     |
| 273    | MEF273K(J)213040900 | 13        | 4.0    | 9.0   | 10      |
| 333    | MEF333K(J)210040900 | 9         | 4.3    | 9.3   | 7.5     |
| 333    | MEF333K(J)213040900 | 13        | 4.3    | 9.3   | 10      |
| 393    | MEF393K(J)210040900 | 9         | 4.7    | 9.7   | 7.5     |
| 393    | MEF393K(J)213040900 | 13        | 4.5    | 9.5   | 10      |
| 473    | MEF473K(J)210040900 | 9         | 4.1    | 8.4   | 7.5     |
| 473    | MEF473K(J)213030800 | 13        | 4.0    | 8.7   | 10      |
| 563    | MEF563K(J)210040900 | 9         | 4.2    | 9.2   | 7.5     |
| 563    | MEF563K(J)213040900 | 13        | 4.0    | 9.1   | 10      |
| 683    | MEF683K(J)210040900 | 9         | 4.5    | 9.6   | 7.5     |
| 683    | MEF683K(J)213040900 | 13        | 4.4    | 9.4   | 10      |
| 823    | MEF823K(J)210030800 | 9         | 4.0    | 9.0   | 7.5     |
| 823    | MEF823K(J)213030700 | 13        | 4.0    | 8.5   | 10      |
| 104    | MEF104K(J)210040900 | 9         | 4.2    | 9.2   | 7.5     |
| 104    | MEF104K(J)213030800 | 13        | 4.0    | 9.0   | 10      |
| 124    | MEF124K(J)210040900 | 9         | 4.5    | 9.5   | 7.5     |
| 124    | MEF124K(J)213040900 | 13        | 4.3    | 9.3   | 10      |
| 154    | MEF154K(J)210051000 | 9         | 5.5    | 10.5  | 7.5     |
| 154    | MEF154K(J)213040900 | 13        | 5.0    | 10.0  | 10      |
| 184    | MEF184K(J)210040900 | 9         | 4.5    | 8.7   | 7.5     |
| 184    | MEF184K(J)213051000 | 13        | 5.5    | 10.5  | 10      |
| 224    | MEF224K(J)213051000 | 13        | 6.0    | 11.0  | 10      |
| 274    | MEF274K(J)213061100 | 13        | 6.5    | 11.7  | 10      |
| 334    | MEF334K(J)213061100 | 13        | 7.5    | 13.0  | 10      |
| 334    | MEF334K(J)219051000 | 18        | 5.5    | 10.6  | 15      |
| 394    | MEF394K(J)219051000 | 18        | 6.0    | 11.0  | 15      |
| 474    | MEF474K(J)219051200 | 18        | 5.7    | 12.5  | 15      |
| 564    | MEF564K(J)219061300 | 18        | 6.4    | 13.0  | 15      |
| 684    | MEF684K(J)224061100 | 23        | 7.2    | 12.3  | 20      |
| 824    | MEF824K(J)224061300 | 23        | 7.6    | 12.7  | 20      |
| 105    | MEF105K(J)224061300 | 23        | 7.8    | 14.5  | 20      |
| 125    | MEF125K(J)224071400 | 23        | 8.4    | 15.4  | 20      |
| 155    | MEF155K(J)224081600 | 23        | 8.8    | 17.3  | 20      |
| 185    | MEF185K(J)224081700 | 23        | 9.5    | 18.1  | 20      |
| 185    | MEF185K(J)229071600 | 28        | 8.0    | 16.5  | 25      |
| 205    | MEF205K(J)224091800 | 23        | 10.5   | 18.8  | 20      |
| 225    | MEF225K(J)224101800 | 23        | 11.1   | 19.4  | 20      |
| 275    | MEF275K(J)231091700 | 30        | 10.0   | 18.6  | 27.5    |
| 335    | MEF335K(J)224091700 | 23        | 10.0   | 18.6  | 20      |
| 335    | MEF335K(J)231101800 | 30        | 11.5   | 19.9  | 27.5    |
| 395    | MEF395K(J)231111900 | 30        | 12.5   | 20.8  | 27.5    |
| 395    | MEF395K(J)235101800 | 34        | 11.5   | 19.9  | 31      |
| 475    | MEF475K(J)231122100 | 30        | 13.3   | 22.0  | 27.5    |
| 475    | MEF475K(J)235112000 | 34        | 12.5   | 20.6  | 31      |
| 565    | MEF565K(J)235122100 | 34        | 13.6   | 22.0  | 31      |
| 685    | MEF685K(J)235142200 | 34        | 15.0   | 23.0  | 31      |
| 825    | MEF825K(J)235152300 | 34        | 16.5   | 24.8  | 31      |
| 106    | MEF106K(J)235162600 | 34        |        |       |         |