

KM 系列

特长 / 用途

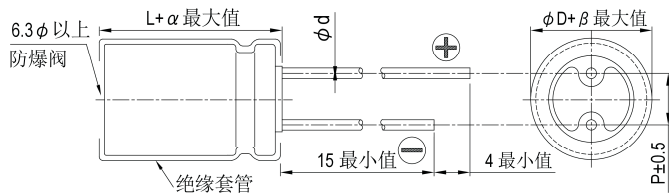
- 105 C、2,000小时寿命保证
- 105 C一般用途之制品
- 符合RoHS指令



规格表

| 项 目 | 性 能 | | | | | | | | | | | | | | | | |
|--|---|--|-----------------------|------------|------------|-----------|-------|---|------------------------|------------------------|------------|-----------|-----|-----|------------------------|------------------------|--|
| 工作温度范围 | 6.3~400V | 450V | | | | | | | | | | | | | | | |
| | -40 C ~ +105 C | -25 C ~ +105 C | | | | | | | | | | | | | | | |
| 额定静电容量容许误差值 | ± 20% (120 Hz, 20 C) | | | | | | | | | | | | | | | | |
| 漏电流(20 C) | 额定电压 | <table border="1"> <tr> <td>≦ 100V</td> <td>> 100V</td> </tr> <tr> <td>测试时间</td> <td>2 分钟后</td> </tr> <tr> <td>漏电流</td> <td> <table border="1"> <tr> <td>I = 0.01CV 或 3(μA/微安)</td> <td>CV ≦ 1,000</td> <td>CV > 1,000</td> </tr> <tr> <td colspan="3">之中任一较大值以下</td> </tr> <tr> <td>I = 0.03CV + 15(μA/微安)</td> <td colspan="2">I = 0.02CV + 25(μA/微安)</td> </tr> </table> </td> </tr> </table> | ≦ 100V | > 100V | 测试时间 | 2 分钟后 | 漏电流 | <table border="1"> <tr> <td>I = 0.01CV 或 3(μA/微安)</td> <td>CV ≦ 1,000</td> <td>CV > 1,000</td> </tr> <tr> <td colspan="3">之中任一较大值以下</td> </tr> <tr> <td>I = 0.03CV + 15(μA/微安)</td> <td colspan="2">I = 0.02CV + 25(μA/微安)</td> </tr> </table> | I = 0.01CV 或 3(μA/微安) | CV ≦ 1,000 | CV > 1,000 | 之中任一较大值以下 | | | I = 0.03CV + 15(μA/微安) | I = 0.02CV + 25(μA/微安) | |
| | ≦ 100V | > 100V | | | | | | | | | | | | | | | |
| | 测试时间 | 2 分钟后 | | | | | | | | | | | | | | | |
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| 之中任一较大值以下 | | | | | | | | | | | | | | | | | |
| I = 0.03CV + 15(μA/微安) | I = 0.02CV + 25(μA/微安) | | | | | | | | | | | | | | | | |
| I = 漏电流(μA/微安)、C = 额定静电容量(μF/微法拉)、V = 额定直流工作电压(V/伏特) | | | | | | | | | | | | | | | | | |
| 损失角正切值(120 Hz, 20 C) | 额定电压 | 6.3 10 16 25 35 50 63 100 160 200 250 350 400 450 | | | | | | | | | | | | | | | |
| | 损失角正切值(最大值) | 0.23 0.20 0.16 0.14 0.12 0.10 0.09 0.08 0.12 0.14 0.17 0.20 0.25 0.25 | | | | | | | | | | | | | | | |
| 当额定静电容量大于1,000 微法拉时, 每增加1,000 微法拉需加0.02 | | | | | | | | | | | | | | | | | |
| 温度特性(120 Hz) | 阻抗比不可大于下表所列数值 | | | | | | | | | | | | | | | | |
| | 额定电压 | | 6.3 | 10 | 16 | 25 | 35 | 50 | 63 | 100 | 160 | 200 | 250 | 350 | 400 | 450 | |
| | 阻抗比 | Z(-25 C) | φ D < 16 | 4 | 3 | 3 | 2 | 2 | 2 | 2 | 3 | 6 | 8 | 12 | 14 | 16 | |
| | | Z(+20 C) | φ D ≧ 16 | 6 | 4 | 4 | 3 | 3 | 3 | 3 | 4 | 8 | 10 | 16 | 18 | - | |
| Z(-40 C) | φ D < 16 | 8 | 6 | 6 | 4 | 4 | 3 | 3 | 3 | 4 | 8 | 10 | 16 | 18 | - | | |
| Z(+20 C) | φ D ≧ 16 | 12 | 10 | 8 | 8 | 8 | 8 | 6 | 6 | 4 | 8 | 10 | 16 | 18 | - | | |
| 耐久性 | 保证寿命时间 | 2,000 小时 | | | | | | | | | | | | | | | |
| | 静电容量变化率 | ≦ 初始值的 ± 20% | | | | | | | | | | | | | | | |
| | 损失角正切值 | ≦ 初始规格值的 200% | | | | | | | | | | | | | | | |
| | 漏电流 | ≦ 初始规格值 | | | | | | | | | | | | | | | |
| | * 于 105 C 环境中供给容许纹波电流值与额定电压 2,000 小时后, 待制品回复至 20 C 的环境中进行量测时, 需满足上列要求 | | | | | | | | | | | | | | | | |
| 高温无负荷特性 | 保证寿命时间 | 1,000 小时 | | | | | | | | | | | | | | | |
| | 静电容量变化率 | ≦ 初始值的 ± 20% | | | | | | | | | | | | | | | |
| | 损失角正切值 | ≦ 初始规格值的 200% | | | | | | | | | | | | | | | |
| | 漏电流 | ≦ 初始规格值 | | | | | | | | | | | | | | | |
| | * 于 105 C 环境中不供给额定电压 1,000 小时后, 待制品回复至 20 C 的环境中进行量测时, 需满足上列要求 额定电压 160 ~ 450V 需进行电压补偿后再行量测(依据 JIS C 5101-4 4.1 规定) | | | | | | | | | | | | | | | | |
| 纹波电流与频率补正系数 | 频率(Hz) | | 60 (50) | 120 | 500 | 1k | 10k ≦ | | | | | | | | | | |
| | 静电容量(μF/微法拉) | | ≦ 100 | 0.70 | 1.00 | 1.30 | 1.40 | 1.50 | | | | | | | | | |
| | 100 < 静电容量 ≦ 1,000 | | 0.75 | 1.00 | 1.20 | 1.30 | 1.35 | | | | | | | | | | |
| | 1,000 < | | 0.80 | 1.00 | 1.10 | 1.12 | 1.15 | | | | | | | | | | |

寸法图

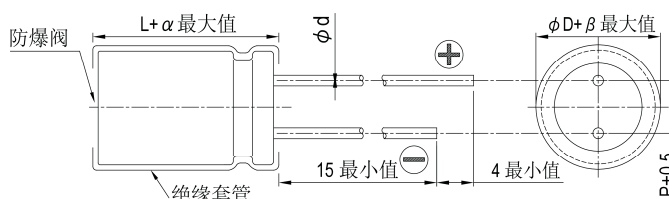


制品各项寸法

单位 毫米

| | φD 5 | 6.3 | 8 | 10 | 12.5 | 16 | 18 | 22 | 25 |
|----|--------------------------|-----|-----|-----|------|-----|-----|-----|------|
| P | 2.0 | 2.5 | 3.5 | 5.0 | 5.0 | 7.5 | 7.5 | 10 | 12.5 |
| φd | 0.5 | | 0.6 | | | 0.8 | | 1.0 | |
| α | L < 20: 1.5, L ≧ 20: 2.0 | | | | | | | 2.0 | |
| β | 0.5 | | | | | | | | |

制品尺寸如为 12.5×16、16×16、16×20、18×16、18×20、18×25 适用下列制品图





制品尺寸与容许纹波电流一览表 尺寸 直径(φD)×长度(L), (毫米/mm) 容许纹波电流 毫安/均方根值(mA/rms), 120 赫兹(Hz), 105 C

Table with columns for rated voltage (6.3V, 10V, 16V, 25V, 35V, 50V, 63V, 100V) and rows for capacitance values (2.2, 3.3, 4.7, 10, 22, 33, 47, 100, 220, 330, 470, 1000, 2200, 3300, 4700, 6800, 10000, 15000, 22000, 33000).

Table with columns for rated voltage (160V, 200V, 250V, 350V, 400V, 450V) and rows for capacitance values (1, 2.2, 3.3, 4.7, 10, 22, 33, 47, 68, 100, 150, 220, 330, 470).

产品编码说明

KM系列 6.3V 470微法拉 ±20% 6.3φ×11L
KM OJ 471 M 0611
系列 额定电压 额定静电容量 额定静电容量 容许误差值 制品尺寸

Table with columns: 额定电压 (W.V), 4, 6.3, 10, 16, 20, 25, 35, 50, 63, 80, 100. Rows: 电压代码, 0G, 0J, 1A, 1C, 1D, 1E, 1V, 1H, 1J, 1K, 2A.

Table with columns: 额定电压 (W.V), 160, 180, 200, 250, 315, 350, 400, 420, 450. Rows: 电压代码, 2C, 2S, 2D, 2E, 2F, 2V, 2G, 2P, 2W.



| 序号 | 系列 | 规格 | | 容量范围 | 损失角 | 漏电流 | 承制方部品号 | 尺寸 | 最大纹波电流 |
|----|----|-----------|--------------------|----------|-----|-----|--------------|--------------|--------|
| | | WV (V) | Cap. (μ F) | | | | | | |
| 1 | KM | 10 | 100 | ± 20 | 20 | 10 | KM1A101M0507 | $\Phi 5*7$ | 85 |
| 2 | KM | 10 | 470 | ± 20 | 20 | 47 | kM1A471M0611 | $\Phi 6*11$ | 220 |
| 3 | KM | 10 | 1000 | ± 20 | 20 | 100 | KM1A102M0812 | $\Phi 8*12$ | 360 |
| 4 | KM | 16 | 1000 | ± 20 | 16 | 160 | KM1C102M0816 | $\Phi 8*16$ | 420 |
| 5 | KM | 16 | 1000 | ± 20 | 16 | 160 | KM1C102M1016 | $\Phi 10*16$ | 560 |
| 6 | KM | 16 | 470 | ± 20 | 16 | 75 | KM1C471M0812 | $\Phi 8*12$ | 310 |
| 7 | KM | 25 | 22 | ± 20 | 14 | 6 | KM1E220M0407 | $\Phi 4*7$ | 48 |
| 8 | KM | 25 | 100 | ± 20 | 14 | 250 | KM1E101M0611 | $\Phi 6*11$ | 142 |
| 9 | KM | 25 | 47 | ± 20 | 14 | 11 | KM1E470M0507 | $\Phi 5*7$ | 80 |
| 10 | KM | 25 | 47 | ± 20 | 14 | 11 | KM1E470M0511 | $\Phi 5*11$ | 97 |
| 11 | KM | 25 | 220 | ± 20 | 14 | 55 | KM1E221M0611 | $\Phi 6*11$ | 236 |
| 12 | KM | 25 | 470 | ± 20 | 14 | 117 | KM1E471M0812 | $\Phi 8*12$ | 305 |
| 13 | KM | 25 | 470 | ± 20 | 14 | 117 | KM1E471M1013 | $\Phi 10*13$ | 380 |
| 14 | KM | 35 | 100 | ± 20 | 12 | 35 | KM1V101M0611 | $\Phi 6*11$ | 150 |
| 15 | KM | 35 | 100 | ± 20 | 12 | 35 | KM1V101M0812 | $\Phi 8*12$ | 220 |
| 16 | KM | 35 | 220 | ± 20 | 12 | 77 | KM1V221M0812 | $\Phi 8*12$ | 270 |
| 17 | KM | 35 | 330 | ± 20 | 12 | 116 | KM1V331M1013 | $\Phi 10*13$ | 350 |
| 18 | KM | 35 | 470 | ± 20 | 12 | 165 | KM1V471M1016 | $\Phi 10*16$ | 460 |
| 19 | KM | 50 | 4.7 | ± 20 | 10 | 3 | KM1H4R7M0405 | $\Phi 4*5$ | 16 |
| 20 | KM | 50 | 4.7 | ± 20 | 10 | 3 | KM1H4R7M0407 | $\Phi 4*7$ | 18 |
| 21 | KM | 50 | 10 | ± 20 | 10 | 5 | KM1H100M0511 | $\Phi 5*11$ | 50 |
| 22 | KM | 50 | 100 | ± 20 | 10 | 50 | KM1H101M0812 | $\Phi 8*12$ | 188 |
| 23 | KM | 50 | 22 | ± 20 | 10 | 11 | KM1H220M0511 | $\Phi 5*11$ | 78 |
| 24 | KM | 50 | 220 | ± 20 | 10 | 110 | KM1H221M1013 | $\Phi 10*13$ | 300 |
| 25 | KM | 50 | 47 | ± 20 | 10 | 23 | KM1H470M0611 | $\Phi 6*11$ | 120 |
| 26 | KM | 50 | 470 | ± 20 | 10 | 230 | KM1H471M1020 | $\Phi 10*20$ | 530 |

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[EKXG201EC3101ML20S](#) [EKZM160ETD471MHB5D](#) [NCD681K10KVY5PF](#) [NEV1000M25EF-BULK](#) [NEV100M35DC](#) [NEV100M63DE](#)
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