

表面贴装型

系列: **FK** 类型: **V**



特点

- 保证时间: 105 °C 2000 ~ 5000 小时
- 低阻抗 (FC系列降低 40 % ~ 60 %)
- 小形化产品 (FC系列缩小 30 % ~ 50 %)
- 可满足耐振要求 (30G保证) ($\phi 6.3 \leq$)
- 已应对RoHS指令

规格

| | | | | | | | | | | | |
|------------------------|---|------------------------------------|----|----|----|----|----|----|----|-----|----------------|
| 类别温度范围 | -55 °C ~ +105 °C | | | | | | | | | | |
| 额定电压范围 | 6.3 V.DC ~ 100 V.DC | | | | | | | | | | |
| 静电容量范围 | 3.3 μ F ~ 6800 μ F | | | | | | | | | | |
| 静电容量许容差 | $\pm 20\%$ (120 Hz / +20 °C) | | | | | | | | | | |
| 漏电流 | $I \leq 0.01 CV$ 或 3 (μ A) 2 分值 (任一大值以下) | | | | | | | | | | |
| 损耗角的正切 (tan δ) | 请参照特性一览表 | | | | | | | | | | |
| 温度特性 | 额定电压 (V.DC) | 6.3 | 10 | 16 | 25 | 35 | 50 | 63 | 80 | 100 | (120 Hz 时的阻抗比) |
| | Z (-25 °C) / Z (+20 °C) | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| | Z (-40 °C) / Z (+20 °C) | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| | Z (-55 °C) / Z (+20 °C) | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | |
| 耐久性 | 在+105 °C ± 2 °C 的条件下, 对电容施加额定工作电压2000 小时后, 恢复至标准气候测量, 并满足下列条件。 (但是, $\phi 8 \times 10.2$, $\phi 10 \times 10.2$ 的尾号为 G 时, 额定电压施加时间须5000 小时) | | | | | | | | | | |
| | 静电容量变化 | 初始值 $\pm 30\%$ 以内 (尾号 G 为 35 % 以下) | | | | | | | | | |
| | 损耗角的正切 (tan δ) | 不大于初始标准值的200 % (尾号 G 不大于 300 %) | | | | | | | | | |
| | 漏电流 | 不大于初始标准值 | | | | | | | | | |
| 高温无负载特性 | 将电容无负载放置于+105 °C ± 2 °C 条件下1000 小时后, 恢复至标准气候测量, 并满足上述耐久性条件。 (但须电压处理) | | | | | | | | | | |
| 焊接耐热性 | 经回流焊接, 恢复至标准气候测量, 并满足下列条件。 | | | | | | | | | | |
| | 静电容量变化 | 初始值 $\pm 10\%$ 以内 | | | | | | | | | |
| | 损耗角的正切 (tan δ) | 不大于初始标准值 | | | | | | | | | |
| | 漏电流 | 不大于初始标准值 | | | | | | | | | |
| AEC-Q200 | 符号AEC-Q200 | | | | | | | | | | |

额定纹波电流 频率补正系数

| | | | | | |
|---------|--------|------|------|------|---------|
| 频率 (Hz) | 50, 60 | 120 | 1 k | 10 k | 100 k ~ |
| 系数 | 0.70 | 0.75 | 0.90 | 0.95 | 1.00 |

标示

例: 6.3 V.DC 22 μ F
标示颜色: BLACK

$\leq \phi 10$

极性标示(-) 静电容量 (μ F)

系列符号

无铅适用产品
标记 (黑点)

额定电压编号

批号

$\geq \phi 12.5$

极性标示(-) 静电容量 (μ F)

系列符号

额定电压编号

批号

单位: V.DC

| | | | |
|---|-----|----|-----|
| J | 6.3 | H | 50 |
| A | 10 | J | 63 |
| C | 16 | K | 80 |
| E | 25 | 2A | 100 |
| V | 35 | | |

外观尺寸

压力阀($\phi 10 \leq$)

括弧内为参考尺寸

单位: mm

| 尺寸代码 | ϕD | L | A, B | H | I | W | P | K |
|------|----------|----------------|------|-----------|-----|----------------|-----|--|
| B | 4.0 | 5.8 ± 0.3 | 4.3 | 5.5 max. | 1.8 | 0.65 ± 0.1 | 1.0 | 0.35 ^{+0.15} _{-0.20} |
| C | 5.0 | 5.8 ± 0.3 | 5.3 | 6.5 max. | 2.2 | 0.65 ± 0.1 | 1.5 | 0.35 ^{+0.15} _{-0.20} |
| D | 6.3 | 5.8 ± 0.3 | 6.6 | 7.8 max. | 2.6 | 0.65 ± 0.1 | 1.8 | 0.35 ^{+0.15} _{-0.20} |
| D8 | 6.3 | 7.7 ± 0.3 | 6.6 | 7.8 max. | 2.6 | 0.65 ± 0.1 | 1.8 | 0.35 ^{+0.15} _{-0.20} |
| E | 8.0 | 6.2 ± 0.3 | 8.3 | 9.5 max. | 3.4 | 0.65 ± 0.1 | 2.2 | 0.35 ^{+0.15} _{-0.20} |
| F | 8.0 | 10.2 ± 0.3 | 8.3 | 10.0 max. | 3.4 | 0.90 ± 0.2 | 3.1 | 0.70 ± 0.2 |
| G | 10.0 | 10.2 ± 0.3 | 10.3 | 12.0 max. | 3.5 | 0.90 ± 0.2 | 4.6 | 0.70 ± 0.2 |
| H13 | 12.5 | 13.5 ± 0.5 | 13.5 | 15.0 max. | 4.7 | 0.90 ± 0.3 | 4.4 | 0.70 ± 0.3 |
| J16 | 16.0 | 16.5 ± 0.5 | 17.0 | 19.0 max. | 5.5 | 1.20 ± 0.3 | 6.7 | 0.70 ± 0.3 |
| K16 | 18.0 | 16.5 ± 0.5 | 19.0 | 21.0 max. | 6.7 | 1.20 ± 0.3 | 6.7 | 0.70 ± 0.3 |

·对于耐震规格产品的形状尺寸请参考封装规格部分

关于耐振规格商品的外观尺寸

* 和标准产品尺寸, 形状均不相同。详细情况请务必垂询本公司。

< 尺寸代码: D, D8 >



< 尺寸代码: E, F, G, H13, J16, K16, K21 >



单位: mm

| 尺寸代码 | φD | L | A, B | H max. | F | I | W | P | K | R | S | T |
|------|------|------|------|--------|--------------|-----|----------|-----|--|----------|----------|----------|
| D | 6.3 | 6.1 | 6.6 | 7.8 | 0 ~ +0.15 | 2.4 | 0.65±0.1 | 2.2 | 0.35 ^{+0.15} _{-0.20} | 1.1±0.2 | 3.3±0.2 | 1.05±0.2 |
| D8 | 6.3 | 8 | 6.6 | 7.8 | 0 ~ +0.15 | 2.4 | 0.65±0.1 | 2.2 | 0.35 ^{+0.15} _{-0.20} | 1.1±0.2 | 3.3±0.2 | 1.05±0.2 |
| E | 8 | 6.5 | 8.3 | 9.5 | 0 ~ +0.15 | 3.4 | 0.7±0.1 | 2.2 | 0.35 ^{+0.15} _{-0.20} | 0.70±0.2 | 5.3±0.2 | 1.7±0.2 |
| F | 8 | 10.5 | 8.3 | 10 | 0 ~ +0.15 | 3.4 | 1.2±0.2 | 3.1 | 0.70±0.2 | 0.70±0.2 | 5.3±0.2 | 1.3±0.2 |
| G | 10 | 10.5 | 10.3 | 12 | 0 ~ +0.15 | 3.5 | 1.2±0.2 | 4.6 | 0.70±0.2 | 0.70±0.2 | 6.9±0.2 | 1.3±0.2 |
| H13 | 12.5 | 13.8 | 13.5 | 15 | -0.1 ~ +0.15 | 4.7 | 1.2±0.2 | 4.4 | 0.70±0.3 | 2.2±0.2 | 7.1±0.2 | 2.4±0.2 |
| J16 | 16 | 16.8 | 17 | 19 | -0.1 ~ +0.15 | 5.5 | 1.4±0.2 | 6.7 | 0.70±0.3 | 3.0±0.2 | 9.0±0.2 | 1.9±0.2 |
| K16 | 18 | 16.8 | 19 | 21 | -0.1 ~ +0.15 | 6.7 | 1.4±0.2 | 6.7 | 0.70±0.3 | 3.0±0.2 | 11.0±0.2 | 1.9±0.2 |
| K21 | 18 | 21.8 | 19 | 21 | -0.1 ~ +0.15 | 6.7 | 1.4±0.2 | 6.7 | 0.70±0.3 | 3.0±0.2 | 11.0±0.2 | 1.9±0.2 |

焊盘图案

用于片式电容器的电路板的焊盘图案请参考下述焊盘尺寸, 进行电路设计。特别是由于焊盘间距会影响安装强度, 因此, 请务必仔细确认。

● 标准产品



(推荐电路板焊盘尺寸)

单位: mm

| 尺寸代码 | a | b | c |
|----------------|-----|-----|-----|
| B (φ4) | 1.0 | 2.5 | 1.6 |
| C (φ5) | 1.5 | 2.8 | 1.6 |
| D (φ6.3) | 1.8 | 3.2 | 1.6 |
| D8 (φ6.3x7.7L) | 1.8 | 3.2 | 1.6 |
| E (φ8x6.2L) | 2.2 | 4.0 | 1.6 |
| F (φ8x10.2L) | 3.1 | 4.0 | 2.0 |
| G (φ10x10.2L) | 4.6 | 4.1 | 2.0 |
| H (φ12.5) | 4.0 | 5.7 | 2.0 |
| J (φ16) | 6.0 | 6.5 | 2.5 |
| K (φ18) | 6.0 | 7.5 | 2.5 |

特别是当a尺寸过大, 由于横倾整流片不能形成, 因此安装强度会下降。

● 耐振产品

< 尺寸代码: D, D8 >



(推荐电路板焊盘尺寸)

单位: mm

| 尺寸代码 | A | B | C | D | E | F | G | H |
|----------------|-----|-----|-----|-----|------|------|-----|-----|
| D (φ6.3xL6.1) | 1.2 | 3.6 | 3.2 | 2.0 | 0.95 | 0.65 | 1.0 | 1.2 |
| D8 (φ6.3xL8.0) | 1.2 | 3.6 | 3.2 | 2.0 | 0.95 | 0.65 | 1.0 | 1.2 |
| E (φ8x6.5L) | 1.8 | 4.2 | 5.0 | 1.3 | 1.5 | 1.4 | 1.5 | 2.0 |
| F (φ8x10.5L) | 2.7 | 4.0 | 4.7 | 1.3 | 1.0 | 1.7 | 1.1 | 2.5 |
| G (φ10) | 3.9 | 4.4 | 4.7 | 1.3 | 1.2 | 1.9 | 1.1 | 2.5 |
| H (φ12.5) | 3.9 | 6.0 | 6.9 | 2.8 | 1.3 | 1.9 | 2.2 | 2.5 |
| J (φ16) | 5.8 | 6.8 | 6.2 | 3.6 | 1.3 | 1.9 | 1.7 | 2.8 |
| K (φ18) | 5.8 | 7.3 | 6.2 | 3.6 | 1.8 | 1.9 | 1.7 | 2.8 |

特别是当A尺寸过大, 由于横倾整流片不能形成, 因此安装强度会下降。

< 尺寸代码: E, F, G, H, J, K >



* 请务必根据贵公司的设计标准, 考虑其贴装性能, 焊接性能, 安装强度等后再行决定。

* φ6.3耐震品采用辅助端子覆盖到座板侧面的构造。如果要用图像识别确认辅助端子侧面焊角的形成, 须事先研讨能充分形成焊脚的焊锡条件。

特性一览表

耐久性: 105 °C 2000 小时 (≥ φ12.5 : 5000 小时)

| 额定电压 (V.DC) | 静电容量 (±20 %) (μF) | 产品尺寸 (mm) | | | | 尺寸 代码 *1 | 特 性 | | | 型 号 | | 回流 | 最少包装 数量 |
|----------------|-------------------------|--------------|------|------------|---------------------------------|----------------|--------------------------|---------------------|--------------|--------------|-------------|------|------------|
| | | φD | L | | 额定 纹波电流 *2 (mA r.m.s.) | | ESR ^{*3} (Ω) | tan δ ^{*4} | 标准品 | 耐震动规格品 | | | |
| | | | 标准品 | 耐震动 规格品 | | | | | | | | | |
| 6.3 | 22 | 4 | 5.8 | - | B | 90 | 1.35 | 0.26 | EEEFK0J220R | - | (1) | 2000 | |
| | 47 | 4 | 5.8 | - | (B) | 90 | 1.35 | 0.26 | EEEFK0J470UR | - | (1) | 2000 | |
| | | 5 | 5.8 | - | C | 160 | 0.70 | 0.26 | EEEFK0J470R | - | (1) | 1000 | |
| | 100 | 5 | 5.8 | - | (C) | 160 | 0.70 | 0.26 | EEEFK0J101UR | - | (1) | 1000 | |
| | | 6.3 | 5.8 | 6.1 | D | 240 | 0.36 | 0.26 | EEEFK0J101P | EEEFK0J101V | (1) | 1000 | |
| | 220 | 6.3 | 5.8 | 6.1 | D | 240 | 0.36 | 0.26 | EEEFK0J221P | EEEFK0J221V | (1) | 1000 | |
| | 330 | 6.3 | 7.7 | 8.0 | D8 | 280 | 0.34 | 0.26 | EEEFK0J331XP | EEEFK0J331XV | (1) | 900 | |
| | | 8 | 6.2 | 6.5 | E | 300 | 0.26 | 0.26 | EEEFK0J331P | EEEFK0J331V | (2) | 1000 | |
| | 470 | 8 | 10.2 | 10.5 | F | 600 | 0.16 | 0.26 | EEEFK0J471P | EEEFK0J471V | (2) | 500 | |
| | 1000 | 8 | 10.2 | 10.5 | F | 600 | 0.16 | 0.26 | EEEFK0J102P | EEEFK0J102V | (2) | 500 | |
| 1500 | 10 | 10.2 | 10.5 | G | 850 | 0.08 | 0.26 | EEEFK0J152P | EEEFK0J152V | (2) | 500 | | |
| 3300 | 12.5 | 13.5 | 13.8 | H13 | 1100 | 0.06 | 0.30 | EEVFK0J332Q | EEVFK0J332V | (3) | 200 | | |
| 6800 | 16 | 16.5 | 16.8 | J16 | 1800 | 0.035 | 0.36 | EEVFK0J682M | EEVFK0J682V | (3) | 125 | | |
| 10 | 22 | 4 | 5.8 | - | B | 90 | 1.35 | 0.19 | EEEFK1A220R | - | (1) | 2000 | |
| | 33 | 4 | 5.8 | - | (B) | 90 | 1.35 | 0.19 | EEEFK1A330UR | - | (1) | 2000 | |
| | | 5 | 5.8 | - | C | 160 | 0.70 | 0.19 | EEEFK1A330R | - | (1) | 1000 | |
| | 150 | 6.3 | 5.8 | 6.1 | D | 240 | 0.36 | 0.19 | EEEFK1A151P | EEEFK1A151V | (1) | 1000 | |
| | | 6.3 | 7.7 | 8.0 | D8 | 280 | 0.34 | 0.19 | EEEFK1A221XP | EEEFK1A221XV | (1) | 900 | |
| | 220 | 8 | 6.2 | 6.5 | E | 300 | 0.26 | 0.19 | EEEFK1A221P | EEEFK1A221V | (2) | 1000 | |
| | | 330 | 8 | 10.2 | 10.5 | F | 600 | 0.16 | 0.19 | EEEFK1A331P | EEEFK1A331V | (2) | 500 |
| | 470 | 8 | 10.2 | 10.5 | F | 600 | 0.16 | 0.19 | EEEFK1A471P | EEEFK1A471V | (2) | 500 | |
| | 680 | 8 | 10.2 | 10.5 | F | 600 | 0.16 | 0.19 | EEEFK1A681P | EEEFK1A681V | (2) | 500 | |
| | 1000 | 10 | 10.2 | 10.5 | G | 850 | 0.08 | 0.19 | EEEFK1A102P | EEEFK1A102V | (2) | 500 | |
| 2200 | 12.5 | 13.5 | 13.8 | H13 | 1100 | 0.06 | 0.21 | EEVFK1A222Q | EEVFK1A222V | (3) | 200 | | |
| 4700 | 16 | 16.5 | 16.8 | J16 | 1800 | 0.035 | 0.25 | EEVFK1A472M | EEVFK1A472V | (3) | 125 | | |
| 6800 | 18 | 16.5 | 16.8 | K16 | 2060 | 0.033 | 0.29 | EEVFK1A682M | EEVFK1A682V | (3) | 125 | | |
| 16 | 10 | 4 | 5.8 | - | B | 90 | 1.35 | 0.16 | EEEFK1C100R | - | (1) | 2000 | |
| | 22 | 4 | 5.8 | - | (B) | 90 | 1.35 | 0.16 | EEEFK1C220UR | - | (1) | 2000 | |
| | | 5 | 5.8 | - | C | 160 | 0.70 | 0.16 | EEEFK1C220R | - | (1) | 1000 | |
| | 47 | 5 | 5.8 | - | (C) | 160 | 0.70 | 0.16 | EEEFK1C470UR | - | (1) | 1000 | |
| | | 6.3 | 5.8 | 6.1 | D | 240 | 0.36 | 0.16 | EEEFK1C470P | EEEFK1C470V | (1) | 1000 | |
| | 68 | 6.3 | 5.8 | 6.1 | D | 240 | 0.36 | 0.16 | EEEFK1C680P | EEEFK1C680V | (1) | 1000 | |
| | 100 | 6.3 | 5.8 | 6.1 | D | 240 | 0.36 | 0.16 | EEEFK1C101P | EEEFK1C101V | (1) | 1000 | |
| | 150 | 6.3 | 7.7 | 8.0 | D8 | 280 | 0.34 | 0.16 | EEEFK1C151XP | EEEFK1C151XV | (1) | 900 | |
| | | 6.3 | 7.7 | 8.0 | D8 | 280 | 0.34 | 0.16 | EEEFK1C221XP | EEEFK1C221XV | (1) | 900 | |
| | 220 | 8 | 6.2 | 6.5 | E | 300 | 0.26 | 0.16 | EEEFK1C221P | EEEFK1C221V | (2) | 1000 | |
| 330 | 8 | 10.2 | 10.5 | F | 600 | 0.16 | 0.16 | EEEFK1C331P | EEEFK1C331V | (2) | 500 | | |
| 470 | 8 | 10.2 | 10.5 | F | 600 | 0.16 | 0.16 | EEEFK1C471P | EEEFK1C471V | (2) | 500 | | |
| 680 | 10 | 10.2 | 10.5 | G | 850 | 0.08 | 0.16 | EEEFK1C681P | EEEFK1C681V | (2) | 500 | | |
| 1500 | 12.5 | 13.5 | 13.8 | H13 | 1100 | 0.06 | 0.16 | EEVFK1C152Q | EEVFK1C152V | (3) | 200 | | |
| 3300 | 16 | 16.5 | 16.8 | J16 | 1800 | 0.035 | 0.20 | EEVFK1C332M | EEVFK1C332V | (3) | 125 | | |
| 4700 | 18 | 16.5 | 16.8 | K16 | 2060 | 0.033 | 0.22 | EEVFK1C472M | EEVFK1C472V | (3) | 125 | | |
| 25 | 10 | 4 | 5.8 | - | B | 90 | 1.35 | 0.14 | EEEFK1E100R | - | (1) | 2000 | |
| | 22 | 5 | 5.8 | - | C | 160 | 0.70 | 0.14 | EEEFK1E220R | - | (1) | 1000 | |
| | | 5 | 5.8 | - | (C) | 160 | 0.70 | 0.14 | EEEFK1E330UR | - | (1) | 1000 | |
| | 33 | 6.3 | 5.8 | 6.1 | D | 240 | 0.36 | 0.14 | EEEFK1E330P | EEEFK1E330V | (1) | 1000 | |
| | | 47 | 6.3 | 5.8 | 6.1 | D | 240 | 0.36 | 0.14 | EEEFK1E470P | EEEFK1E470V | (1) | 1000 |
| | 68 | 6.3 | 5.8 | 6.1 | D | 240 | 0.36 | 0.14 | EEEFK1E680P | EEEFK1E680V | (1) | 1000 | |
| | 100 | 6.3 | 7.7 | 8.0 | D8 | 280 | 0.34 | 0.14 | EEEFK1E101XP | EEEFK1E101XV | (1) | 900 | |
| | | 8 | 6.2 | 6.5 | E | 300 | 0.26 | 0.14 | EEEFK1E101P | EEEFK1E101V | (2) | 1000 | |
| | 150 | 8 | 10.2 | 10.5 | F | 600 | 0.16 | 0.14 | EEEFK1E151P | EEEFK1E151V | (2) | 500 | |
| | 220 | 8 | 10.2 | 10.5 | F | 600 | 0.16 | 0.14 | EEEFK1E221P | EEEFK1E221V | (2) | 500 | |
| 330 | 8 | 10.2 | 10.5 | F | 600 | 0.16 | 0.14 | EEEFK1E331P | EEEFK1E331V | (2) | 500 | | |
| 470 | 10 | 10.2 | 10.5 | G | 850 | 0.08 | 0.14 | EEEFK1E471P | EEEFK1E471V | (2) | 500 | | |
| 1000 | 12.5 | 13.5 | 13.8 | H13 | 1100 | 0.06 | 0.14 | EEVFK1E102Q | EEVFK1E102V | (3) | 200 | | |
| 1500 | 16 | 16.5 | 16.8 | J16 | 1800 | 0.035 | 0.14 | EEVFK1E152M | EEVFK1E152V | (3) | 125 | | |
| 2200 | 16 | 16.5 | 16.8 | J16 | 1800 | 0.035 | 0.16 | EEVFK1E222M | EEVFK1E222V | (3) | 125 | | |
| 3300 | 18 | 16.5 | 16.8 | K16 | 2060 | 0.033 | 0.18 | EEVFK1E332M | EEVFK1E332V | (3) | 125 | | |

*1: 尺寸代码 () 为小型化品

*2: 额定纹波电流 (100 kHz / +105 °C)

*3: ESR (100 kHz / +20 °C)

*4: tan δ (120 Hz / +20 °C)

· 关于回流焊保证条件, 编带包装规格, 请参照那个项目的页

特性一览表

耐久性: 105 °C 2000 小时 (≥ φ12.5 : 5000 小时)

| 额定电压 (V.DC) | 静电容量 (±20%) (μF) | 产品尺寸 (mm) | | | 尺寸代码 *1 | 特性 | | | 型号 | | 回流 | 最少包装数量 |
|-------------|------------------|-----------|------|--------|---------|-----------------------|------------|-------------|--------------|--------------|-----|--------|
| | | φD | L | | | 额定纹波电流 *2 (mA r.m.s.) | ESR *3 (Ω) | tan δ *4 | 标准品 | 耐震动规格品 | | |
| | | | 标准品 | 耐震动规格品 | | | | | | | | |
| 35 | 4.7 | 4 | 5.8 | - | B | 90 | 1.35 | 0.12 | EEEFK1V4R7R | - | (1) | 2000 |
| | 10 | 4 | 5.8 | - | (B) | 90 | 1.35 | 0.12 | EEEFK1V100UR | - | (1) | 2000 |
| | | 5 | 5.8 | - | C | 160 | 0.70 | 0.12 | EEEFK1V100R | - | (1) | 1000 |
| | 22 | 5 | 5.8 | - | C | 160 | 0.70 | 0.12 | EEEFK1V220R | - | (1) | 1000 |
| | 33 | 6.3 | 5.8 | 6.1 | D | 240 | 0.36 | 0.12 | EEEFK1V330P | EEEFK1V330V | (1) | 1000 |
| | 47 | 6.3 | 5.8 | 6.1 | D | 240 | 0.36 | 0.12 | EEEFK1V470P | EEEFK1V470V | (1) | 1000 |
| | 68 | 6.3 | 7.7 | 8 | D8 | 280 | 0.34 | 0.12 | EEEFK1V680XP | EEEFK1V680XV | (1) | 900 |
| | 100 | 6.3 | 7.7 | 8 | D8 | 280 | 0.34 | 0.12 | EEEFK1V101XP | EEEFK1V101XV | (1) | 900 |
| | | 8 | 10.2 | 10.5 | F | 600 | 0.16 | 0.12 | EEEFK1V101P | EEEFK1V101V | (2) | 500 |
| | 150 | 8 | 10.2 | 10.5 | F | 600 | 0.16 | 0.12 | EEEFK1V151P | EEEFK1V151V | (2) | 500 |
| | 220 | 8 | 10.2 | 10.5 | F | 600 | 0.16 | 0.12 | EEEFK1V221P | EEEFK1V221V | (2) | 500 |
| | 330 | 10 | 10.2 | 10.5 | G | 850 | 0.08 | 0.12 | EEEFK1V331P | EEEFK1V331V | (2) | 500 |
| | 470 | 12.5 | 13.5 | 13.8 | H13 | 1100 | 0.06 | 0.12 | EEVFK1V471Q | EEVFK1V471V | (3) | 200 |
| | 680 | 12.5 | 13.5 | 13.8 | H13 | 1100 | 0.06 | 0.12 | EEVFK1V681Q | EEVFK1V681V | (3) | 200 |
| | 1000 | 16 | 16.5 | 16.8 | J16 | 1800 | 0.035 | 0.12 | EEVFK1V102M | EEVFK1V102V | (3) | 125 |
| 1500 | 16 | 16.5 | 16.8 | J16 | 1800 | 0.035 | 0.12 | EEVFK1V152M | EEVFK1V152V | (3) | 125 | |
| 50 | 4.7 | 4 | 5.8 | - | B | 60 | 2.90 | 0.10 | EEEFK1H4R7R | - | (1) | 2000 |
| | 10 | 5 | 5.8 | - | (C) | 85 | 1.52 | 0.10 | EEEFK1H100UR | - | (1) | 1000 |
| | | 6.3 | 5.8 | 6.1 | D | 165 | 0.88 | 0.10 | EEEFK1H100P | EEEFK1H100V | (1) | 1000 |
| | 22 | 6.3 | 5.8 | 6.1 | D | 165 | 0.88 | 0.10 | EEEFK1H220P | EEEFK1H220V | (1) | 1000 |
| | 33 | 6.3 | 7.7 | 8 | D8 | 195 | 0.68 | 0.10 | EEEFK1H330XP | EEEFK1H330XV | (1) | 900 |
| | | 8 | 6.2 | 6.5 | E | 195 | 0.68 | 0.10 | EEEFK1H330P | EEEFK1H330V | (2) | 1000 |
| | 47 | 6.3 | 7.7 | 8 | D8 | 195 | 0.68 | 0.10 | EEEFK1H470XP | EEEFK1H470XV | (1) | 900 |
| | | 8 | 6.2 | 6.5 | E | 195 | 0.68 | 0.10 | EEEFK1H470P | EEEFK1H470V | (2) | 1000 |
| | 100 | 8 | 10.2 | 10.5 | F | 350 | 0.34 | 0.10 | EEEFK1H101P | EEEFK1H101V | (2) | 500 |
| | 150 | 10 | 10.2 | 10.5 | G | 670 | 0.18 | 0.10 | EEEFK1H151P | EEEFK1H151V | (2) | 500 |
| | 220 | 10 | 10.2 | 10.5 | G | 670 | 0.18 | 0.10 | EEEFK1H221P | EEEFK1H221V | (2) | 500 |
| | 330 | 12.5 | 13.5 | 13.8 | H13 | 900 | 0.12 | 0.10 | EEVFK1H331Q | EEVFK1H331V | (3) | 200 |
| | 390 | 12.5 | 13.5 | 13.8 | H13 | 900 | 0.12 | 0.10 | EEVFK1H391Q | EEVFK1H391V | (3) | 200 |
| | 470 | 16 | 16.5 | 16.8 | J16 | 1610 | 0.073 | 0.10 | EEVFK1H471M | EEVFK1H471V | (3) | 125 |
| | 560 | 16 | 16.5 | 16.8 | J16 | 1610 | 0.073 | 0.10 | EEVFK1H561M | EEVFK1H561V | (3) | 125 |
| 680 | 16 | 16.5 | 16.8 | J16 | 1610 | 0.073 | 0.10 | EEVFK1H681M | EEVFK1H681V | (3) | 125 | |
| 1000 | 16 | 16.5 | 16.8 | J16 | 1610 | 0.073 | 0.10 | EEVFK1H102M | EEVFK1H102V | (3) | 125 | |
| 63 | 4.7 | 5 | 5.8 | - | C | 50 | 3.00 | 0.08 | EEEFK1J4R7R | - | (1) | 1000 |
| | 10 | 6.3 | 5.8 | 6.1 | D | 80 | 1.50 | 0.08 | EEEFK1J100P | EEEFK1J100V | (1) | 1000 |
| | | 6.3 | 7.7 | 8 | D8 | 120 | 1.20 | 0.08 | EEEFK1J220XP | EEEFK1J220XV | (1) | 900 |
| | 22 | 8 | 6.2 | 6.5 | E | 120 | 1.20 | 0.08 | EEEFK1J220P | EEEFK1J220V | (2) | 1000 |
| | 33 | 8 | 10.2 | 10.5 | F | 250 | 0.65 | 0.08 | EEEFK1J330P | EEEFK1J330V | (2) | 500 |
| | 47 | 8 | 10.2 | 10.5 | F | 250 | 0.65 | 0.08 | EEEFK1J470P | EEEFK1J470V | (2) | 500 |
| | 68 | 8 | 10.2 | 10.5 | (F) | 250 | 0.65 | 0.08 | EEEFK1J680UP | EEEFK1J680UV | (2) | 500 |
| | 100 | 10 | 10.2 | 10.5 | G | 400 | 0.35 | 0.08 | EEEFK1J101P | EEEFK1J101V | (2) | 500 |
| | 150 | 12.5 | 13.5 | 13.8 | H13 | 800 | 0.16 | 0.08 | EEVFK1J151Q | EEVFK1J151V | (3) | 200 |
| | 220 | 12.5 | 13.5 | 13.8 | H13 | 800 | 0.16 | 0.08 | EEVFK1J221Q | EEVFK1J221V | (3) | 200 |
| 80 | 470 | 16 | 16.5 | 16.8 | J16 | 1410 | 0.082 | 0.08 | EEVFK1J471M | EEVFK1J471V | (3) | 125 |
| | 680 | 18 | 16.5 | 16.8 | K16 | 1690 | 0.08 | 0.08 | EEVFK1J681M | EEVFK1J681V | (3) | 125 |
| | 3.3 | 5 | 5.8 | - | C | 25 | 5.00 | 0.08 | EEEFK1K3R3R | - | (1) | 1000 |
| | 4.7 | 6.3 | 5.8 | 6.1 | D | 40 | 3.00 | 0.08 | EEEFK1K4R7P | EEEFK1K4R7V | (1) | 1000 |
| | 10 | 6.3 | 7.7 | 8 | D8 | 60 | 2.40 | 0.08 | EEEFK1K100XP | EEEFK1K100XV | (1) | 900 |
| | | 8 | 6.2 | 6.5 | E | 60 | 2.40 | 0.08 | EEEFK1K100P | EEEFK1K100V | (2) | 1000 |
| | 22 | 8 | 10.2 | 10.5 | F | 130 | 1.30 | 0.08 | EEEFK1K220P | EEEFK1K220V | (2) | 500 |
| | 33 | 8 | 10.2 | 10.5 | F | 130 | 1.30 | 0.08 | EEEFK1K330P | EEEFK1K330V | (2) | 500 |
| 47 | 10 | 10.2 | 10.5 | G | 200 | 0.70 | 0.08 | EEEFK1K470P | EEEFK1K470V | (2) | 500 | |
| 68 | 12.5 | 13.5 | 13.8 | H13 | 500 | 0.32 | 0.08 | EEVFK1K680Q | EEVFK1K680V | (3) | 200 | |
| 100 | 12.5 | 13.5 | 13.8 | H13 | 500 | 0.32 | 0.08 | EEVFK1K101Q | EEVFK1K101V | (3) | 200 | |
| 150 | 12.5 | 13.5 | 13.8 | H13 | 500 | 0.32 | 0.08 | EEVFK1K151Q | EEVFK1K151V | (3) | 200 | |
| 330 | 16 | 16.5 | 16.8 | J16 | 793 | 0.17 | 0.08 | EEVFK1K331M | EEVFK1K331V | (3) | 125 | |
| 470 | 18 | 16.5 | 16.8 | K16 | 917 | 0.153 | 0.08 | EEVFK1K471M | EEVFK1K471V | (3) | 125 | |

*1: 尺寸代码 () 为小型化品

*2: 额定纹波电流 (100 kHz / +105 °C)

*3: ESR (100 kHz / +20 °C)

*4: tan δ (120 Hz / +20 °C)

· 关于回流焊保证条件, 编带包装规格, 请参照那个项目的页

特性一览表

耐久性: 105 °C 2000 小时 (≥ φ12.5 : 5000 小时)

| 额定电压 (V.DC) | 静电容量 (±20 %) (μF) | 产品尺寸 (mm) | | | 尺寸 代码 *1 | 特 性 | | | 型 号 | | 回流 | 最少包装 数量 |
|----------------|-------------------------|--------------|------|------------|----------------|---------------------------------|--------------------------|---------------------|--------------|--------------|-----|------------|
| | | φD | L | | | 额定 纹波电流 *2 (mA r.m.s.) | ESR ^{*3} (Ω) | tan δ ^{*4} | 标准品 | 耐震动规格品 | | |
| | | | 标准品 | 耐震动 规格品 | | | | | | | | |
| 100 | 22 | 8 | 10.2 | 10.5 | F | 130 | 1.30 | 0.07 | EEEFK2A220P | EEEFK2A220V | (2) | 500 |
| | 33 | 10 | 10.2 | 10.5 | G | 200 | 0.70 | 0.07 | EEEFK2A330P | EEEFK2A330V | (2) | 500 |
| | 47 | 12.5 | 13.5 | 13.8 | H13 | 500 | 0.32 | 0.07 | E EVFK2A470Q | E EVFK2A470V | (3) | 200 |
| | 68 | 12.5 | 13.5 | 13.8 | H13 | 500 | 0.32 | 0.07 | E EVFK2A680Q | E EVFK2A680V | (3) | 200 |
| | 100 | 16 | 16.5 | 16.8 | J16 | 793 | 0.17 | 0.07 | E EVFK2A101M | E EVFK2A101V | (3) | 125 |
| | 150 | 16 | 16.5 | 16.8 | J16 | 793 | 0.17 | 0.07 | E EVFK2A151M | E EVFK2A151V | (3) | 125 |
| | 220 | 18 | 16.5 | 16.8 | K16 | 917 | 0.153 | 0.07 | E EVFK2A221M | E EVFK2A221V | (3) | 125 |
| | 330 | 18 | 16.5 | 16.8 | K16 | 917 | 0.153 | 0.07 | E EVFK2A331M | E EVFK2A331V | (3) | 125 |

耐久性: 105 °C 5000 小时

| 额定电压 (V.DC) | 静电容量 (±20 %) (μF) | 产品尺寸 (mm) | | | 尺寸 代码 *1 | 特 性 | | | 型 号 | | 回流 | 最少包装 数量 |
|----------------|-------------------------|--------------|------|------------|----------------|---------------------------------|--------------------------|---------------------|--------------|--------------|-----|------------|
| | | φD | L | | | 额定 纹波电流 *2 (mA r.m.s.) | ESR ^{*3} (Ω) | tan δ ^{*4} | 标准品 | 耐震动规格品 | | |
| | | | 标准品 | 耐震动 规格品 | | | | | | | | |
| 6.3 | 470 | 8 | 10.2 | 10.5 | F | 600 | 0.16 | 0.26 | EEEFK0J471GP | EEEFK0J471GV | (2) | 500 |
| | 1000 | 8 | 10.2 | 10.5 | F | 600 | 0.16 | 0.26 | EEEFK0J102GP | EEEFK0J102GV | (2) | 500 |
| | 1500 | 10 | 10.2 | 10.5 | G | 850 | 0.08 | 0.26 | EEEFK0J152GP | EEEFK0J152GV | (2) | 500 |
| 10 | 330 | 8 | 10.2 | 10.5 | F | 600 | 0.16 | 0.19 | EEEFK1A331GP | EEEFK1A331GV | (2) | 500 |
| | 470 | 8 | 10.2 | 10.5 | F | 600 | 0.16 | 0.19 | EEEFK1A471GP | EEEFK1A471GV | (2) | 500 |
| | 680 | 8 | 10.2 | 10.5 | F | 600 | 0.16 | 0.19 | EEEFK1A681GP | EEEFK1A681GV | (2) | 500 |
| | 1000 | 10 | 10.2 | 10.5 | G | 850 | 0.08 | 0.19 | EEEFK1A102GP | EEEFK1A102GV | (2) | 500 |
| 16 | 330 | 8 | 10.2 | 10.5 | F | 600 | 0.16 | 0.16 | EEEFK1C331GP | EEEFK1C331GV | (2) | 500 |
| | 470 | 8 | 10.2 | 10.5 | F | 600 | 0.16 | 0.16 | EEEFK1C471GP | EEEFK1C471GV | (2) | 500 |
| | 680 | 10 | 10.2 | 10.5 | G | 850 | 0.08 | 0.16 | EEEFK1C681GP | EEEFK1C681GV | (2) | 500 |
| 25 | 150 | 8 | 10.2 | 10.5 | F | 600 | 0.16 | 0.14 | EEEFK1E151GP | EEEFK1E151GV | (2) | 500 |
| | 220 | 8 | 10.2 | 10.5 | F | 600 | 0.16 | 0.14 | EEEFK1E221GP | EEEFK1E221GV | (2) | 500 |
| | 330 | 8 | 10.2 | 10.5 | F | 600 | 0.16 | 0.14 | EEEFK1E331GP | EEEFK1E331GV | (2) | 500 |
| | 470 | 10 | 10.2 | 10.5 | G | 850 | 0.08 | 0.14 | EEEFK1E471GP | EEEFK1E471GV | (2) | 500 |
| 35 | 100 | 8 | 10.2 | 10.5 | F | 600 | 0.16 | 0.12 | EEEFK1V101GP | EEEFK1V101GV | (2) | 500 |
| | 150 | 8 | 10.2 | 10.5 | F | 600 | 0.16 | 0.12 | EEEFK1V151GP | EEEFK1V151GV | (2) | 500 |
| | 220 | 8 | 10.2 | 10.5 | F | 600 | 0.16 | 0.12 | EEEFK1V221GP | EEEFK1V221GV | (2) | 500 |
| | 330 | 10 | 10.2 | 10.5 | G | 850 | 0.08 | 0.12 | EEEFK1V331GP | EEEFK1V331GV | (2) | 500 |
| 50 | 100 | 8 | 10.2 | 10.5 | F | 350 | 0.34 | 0.10 | EEEFK1H101GP | EEEFK1H101GV | (2) | 500 |
| | 150 | 10 | 10.2 | 10.5 | G | 670 | 0.18 | 0.10 | EEEFK1H151GP | EEEFK1H151GV | (2) | 500 |
| | 220 | 10 | 10.2 | 10.5 | G | 670 | 0.18 | 0.10 | EEEFK1H221GP | EEEFK1H221GV | (2) | 500 |

*1: 尺寸代码 () 为小型化品

*2: 额定纹波电流 (100 kHz / +105 °C)

*3: ESR (100 kHz / +20 °C)

*4: tan δ (120 Hz / +20 °C)

· 关于回流焊保证条件, 编带包装规格, 请参照那个项目的页

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