

铝电解电容器（表面贴装型）

表面贴装型

系列：VH

高温无铅回流焊产品



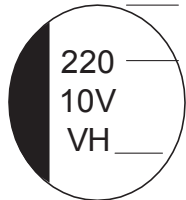
- 保证时间：105 °C 2000 小时
- 可满足耐振要求
- 已应对RoHS指令

| 项目 Items | 特性 Characteristics | | | | | | | | | | |
|---|---|---|------|------|------|------|------|------|------|------|------|
| 工作温度范围 Operating Temperature Range | -55°C ~ +105°C | | | | | | | | | | |
| 额定电压范围 Rated Voltage Range | 4V ~ 100V | | | | | | | | | | |
| 标称容量范围 Nominal Capacitance Range | 1 ~ 8200μF | | | | | | | | | | |
| 标称容量允许偏差 Nominal Capacitance Tolerance | ±20% (20°C, 120Hz) | | | | | | | | | | |
| 漏电流 Leakage Current | $I \leq 0.01C_R V_R$ or $3(\mu A)$, 取较大者 (2分钟) C_R : 标称容量 (μF) U_R : 额定电压 (V) $I \leq 0.01C_R V_R$ or $3(\mu A)$ Whichever is greater (at 20°C, After 2 minutes) C_R : Nominal Capacitance (μF) U_R : Rated voltages (V) | | | | | | | | | | |
| 损耗角正切 (tgδ) Dissipation Factor (Max) 20°C, 120Hz | U_R (V) | 4 | 6.3 | 10 | 16 | 25 | 35 | 50 | 63 | 80 | 100 |
| | tgδ | 0.45 | 0.40 | 0.35 | 0.28 | 0.18 | 0.16 | 0.14 | 0.12 | 0.12 | 0.12 |
| | 容量大于1000uF者, 每增加1000uF, 其损耗角正切值增加0.02 When nominal capacitance exceeds 1000uF, add 0.02 to the value above for each 1000uF increase | | | | | | | | | | |
| 耐久性 Load Life | +105°C施加额定电压2000小时后, 电容器应满足以下要求: After 2000 hours' application of rated voltage at 105°C, the capacitor shall meet the following requirement: | | | | | | | | | | |
| | 电容量变化率 Capacitance Change | ±30%初始值以内 Within ±20% of the initial value | | | | | | | | | |
| | 损耗角正切 Dissipation Factor | ≤300%初始规定值 Not more than 200% of the initial specified value | | | | | | | | | |
| | 漏电流 Leakage Current | ≤ 初始规定值 Not more than the initial specified value | | | | | | | | | |
| 高温贮存 Shelf Life | +105°C贮存1000小时后, 电容器应满足以上耐久性要求 After storage for 1000 hours at +105°C, the capacitors shall meet the requirement of load life above | | | | | | | | | | |
| 低温特性 Low Temperature Stability 阻抗比 Impedance Ratio (120Hz) | U_R (V) | 4 | 6.3 | 10 | 16 | 25 | 35 | 50 | 63 | 80 | 100 |
| | $Z(-25^\circ C)/Z(+20^\circ C)$ | 4 | 4 | 4 | 3 | 2 | 2 | 2 | 2 | 2 | 3 |
| | $Z(-55^\circ C)/Z(+20^\circ C)$ | 12 | 12 | 8 | 6 | 4 | 4 | 4 | 4 | 4 | 4 |
| 耐焊接热 Resistance to Soldering Heat | 在250°C的条件下, 电容器在热板上保持30秒, 然后从热板上取出电容器, 让其在室温下恢复, 电容器应满足以下要求: The capacitors shall be kept on the hot plate maintained at 250°C for 30 seconds. After removing from the hot plate and restored at room temperature, they meet the following requirement. | | | | | | | | | | |
| | 电容量变化率 Capacitance Change | ±10%初始值以内 Within ±10% of the initial value | | | | | | | | | |
| | 损耗角正切 (tgδ) Dissipation Factor | ≤初始规定值 Not more than the initial specified value | | | | | | | | | |
| | 漏电流 Leakage Current | ≤初始规定值 Not more than the initial specified value | | | | | | | | | |
| AEC-Q200 | 符合AEC-Q200 | | | | | | | | | | |

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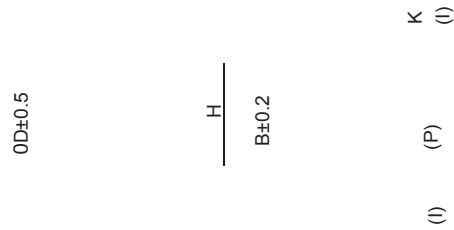
标示

例：10V.DC 220uF VH系列



标示颜色：黑色

外观尺寸



| φD | L | A, B | H. | I | W | P | K |
|------|----------|------|-----|-----|---------|-----|--------------------------------|
| 4 | 5.4±0.3 | 4.3 | 5.5 | 1.8 | 0.5~0.8 | 1.0 | 0.35 ^{+0.15} -0.20 |
| 5 | 5.4±0.3 | 5.3 | 6.5 | 2.1 | 0.5~0.8 | 1.3 | |
| 6.3 | 5.4±0.3 | 6.6 | 7.8 | 2.4 | 0.5~0.8 | 2.2 | |
| 6.3 | 7.7±0.3 | 6.6 | 7.8 | 2.4 | 0.5~0.8 | 2.2 | |
| 8 | 6.2±0.3 | 6.6 | 9.5 | 3.4 | 0.5~0.8 | 2.2 | 0.70±0.20 |
| 8 | 10.5±0.5 | 8.3 | 10 | 3.4 | 0.8~1.1 | 3.1 | |
| 8 | 12.5±0.5 | 8.3 | 10 | 3.4 | 0.8~1.1 | 3.1 | 0.70±0.20 |
| 10 | 7.7±0.3 | 10.3 | 12 | 3.5 | 0.7~1.3 | 4.5 | 0.70±0.20 |
| 10 | 10.5±0.5 | 10.3 | 12 | 3.5 | 0.7~1.3 | 4.5 | 0.70±0.20 |
| 10 | 12.5±0.5 | 10.3 | 12 | 3.5 | 0.8~1.1 | 4.5 | 0.70±0.20 |
| 12.5 | 13.5±0.5 | 13.5 | 15 | 4.7 | 1.1~1.4 | 4.4 | 0.70±0.20 |
| 12.5 | 16.5±0.5 | 13.5 | 15 | 4.7 | 1.1~1.4 | 4.4 | 0.70±0.20 |
| 16 | 16.5±0.5 | 17 | 19 | 5.5 | 1.1~1.4 | 6.4 | 0.70±0.20 |
| 16 | 21.5±0.5 | 17 | 19 | 5.5 | 1.1~1.4 | 6.4 | 0.70±0.20 |
| 18 | 16.5±0.5 | 19 | 21 | 6.7 | 1.1~1.4 | 6.4 | 0.70±0.20 |
| 18 | 21.5±0.5 | 19 | 21 | 6.7 | 1.1~1.4 | 6.4 | 0.70±0.20 |

■特性一览表

| 额定电压 (V.DC) | 静电容量 (±20%) (uF) | 产品尺寸(mm) | | 电气特性 | | 料号 | 最小包装 数量 (PCS) |
|----------------|------------------------|----------|------|--|---------------------------|--------------------|---------------------|
| | | φD | L | 额定纹波电流 (120Hz) (+105℃) (mA r.m.s) | tanδ (120Hz) (+20℃) | | |
| 4 | 22 | 4 | 5.4 | 22 | 0.40 | VH0Q220MB054000LP0 | 2000 |
| | 33 | 5 | 5.4 | 30 | 0.40 | VH0Q330MC054000LP0 | 1000 |
| | 47 | 5 | 5.4 | 36 | 0.40 | VH0Q470MC054000LP0 | 1000 |
| | 100 | 6.3 | 5.4 | 60 | 0.40 | VH0Q101ME054000LP0 | 1000 |
| | 150 | 6.3 | 5.4 | 86 | 0.40 | VH0Q151ME054000LP0 | 1000 |
| | 220 | 6.3 | 7.7 | 102 | 0.40 | VH0Q221ME077000LP0 | 1000 |
| | 330 | 6.3 | 7.7 | 105 | 0.40 | VH0Q331ME077000LP0 | 1000 |
| | 470 | 8 | 10.5 | 210 | 0.40 | VH0Q471MF105000LP0 | 500 |
| 6.3 | 680 | 8 | 10.5 | 210 | 0.40 | VH0Q681MF105000LP0 | 500 |
| | 22 | 4 | 5.4 | 22 | 0.30 | VH0J220MB054000LP0 | 2000 |
| | 33 | 5 | 5.4 | 30 | 0.30 | VH0J330MC054000LP0 | 1000 |
| | 47 | 5 | 5.4 | 36 | 0.30 | VH0J470MC054000LP0 | 1000 |
| | 100 | 6.3 | 5.4 | 60 | 0.30 | VH0J101ME054000LP0 | 1000 |
| | 150 | 6.3 | 7.7 | 86 | 0.30 | VH0J151ME077000LP0 | 1000 |
| | 220 | 6.3 | 7.7 | 102 | 0.30 | VH0J221ME077000LP0 | 1000 |
| | 220 | 8 | 6.2 | 120 | 0.30 | VH0J221MF062000LP0 | 1000 |
| 330 | 330 | 8 | 6.2 | 190 | 0.30 | VH0J331MG062000LP0 | 1000 |
| | 330 | 8 | 10.5 | 290 | 0.30 | VH0J331MF105000LP0 | 500 |

本公司在更改设计，规格时可能不予事先通知，敬请谅解。请务必在购买及使用本公司产品前向本公司索要相关技术规格书。如对产品的安全性有疑问时，请速与本公司联系。

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| 额定电压 (V.DC) | 静电容量 (±20%) (uF) | 产品尺寸(mm) | | 电气特性 | | 料号 | 最小包装 数量 (PCS) |
|----------------|------------------------|----------|------|--|---------------------------|---------------------|---------------------|
| | | φ D | L | 额定纹波电流 (120Hz) (+105℃) (mA r.m.s) | tanδ (120HZ) (+20℃) | | |
| 6.3 | 470 | 8 | 10.5 | 340 | 0.30 | VH0J471MF105000LP0 | 500 |
| | 680 | 8 | 10.5 | 340 | 0.30 | VH0J681MF105000LP0 | 500 |
| | 1000 | 10 | 10.5 | 495 | 0.30 | VH0J102MG105000LP0 | 500 |
| | 2200 | 12.5 | 13.5 | 680 | 0.30 | VH0J222MI135000LP0 | 200 |
| | 3300 | 12.5 | 16.5 | 850 | 0.30 | VH0J332MI165000LP0 | 200 |
| | 4700 | 16 | 16.5 | 1000 | 0.30 | VH0J472MJ165000LP0 | 125 |
| | 6800 | 18 | 16.5 | 1290 | 0.30 | VH0J682MK165000LP0 | 125 |
| | 8200 | 18 | 21.5 | 1450 | 0.30 | VH0J822MK1215000LP0 | 125 |
| 10 | 22 | 5 | 5.4 | 27 | 0.24 | VH1A220MC054000LP0 | 1000 |
| | 33 | 5 | 5.4 | 35 | 0.24 | VH1A330MC054000LP0 | 1000 |
| | 47 | 6.3 | 5.4 | 46 | 0.24 | VH1A470ME054000LP0 | 1000 |
| | 100 | 6.3 | 5.4 | 60 | 0.24 | VH1A101ME054000LP0 | 1000 |
| | 100 | 8 | 6.2 | 90 | 0.24 | VH1A101MF062000LP0 | 1000 |
| | 150 | 6.3 | 7.7 | 86 | 0.24 | VH1A151ME077000LP0 | 1000 |
| | 220 | 6.3 | 7.7 | 105 | 0.24 | VH1A221ME077000LP0 | 1000 |
| | 220 | 8 | 6.2 | 105 | 0.24 | VH1A221MF062000LP0 | 1000 |
| | 330 | 8 | 10.5 | 290 | 0.24 | VH1A331MF105000LP0 | 500 |
| | 470 | 8 | 10.5 | 320 | 0.24 | VH1A471MF105000LP0 | 500 |
| | 470 | 10 | 7.7 | 320 | 0.24 | VH1A471MG077000LP0 | 500 |
| | 680 | 10 | 10.5 | 392 | 0.24 | VH1A681MG105000LP0 | 500 |
| | 1000 | 10 | 10.5 | 450 | 0.24 | VH1A102MG105000LP0 | 500 |
| | 2200 | 12.5 | 13.5 | 680 | 0.24 | VH1A222MI135000LP0 | 200 |
| | 3300 | 16 | 16.5 | 950 | 0.24 | VH1A332MJ165000LP0 | 125 |
| | 4700 | 16 | 16.5 | 1000 | 0.24 | VH1A472MJ165000LP0 | 125 |
| | 6800 | 18 | 16.5 | 1290 | 0.24 | VH1A682MK165000LP0 | 125 |
| | 8200 | 18 | 21.5 | 1450 | 0.24 | VH1A822MK215000LP0 | 125 |
| 16 | 10 | 4 | 5.4 | 18 | 0.20 | VH1C100MB054000LP0 | 2000 |
| | 22 | 5 | 5.4 | 30 | 0.20 | VH1C220MC054000LP0 | 1000 |
| | 33 | 6.3 | 5.4 | 40 | 0.20 | VH1C330ME054000LP0 | 1000 |
| | 47 | 6.3 | 5.4 | 50 | 0.20 | VH1C470ME054000LP0 | 1000 |
| | 100 | 6.3 | 5.4 | 60 | 0.20 | VH1C101ME054000LP0 | 1000 |
| | 100 | 8 | 6.2 | 125 | 0.20 | VH1C101MF062000LP0 | 1000 |
| | 150 | 6.3 | 7.7 | 95 | 0.20 | VH1C151ME077000LP0 | 1000 |
| | 220 | 6.3 | 7.7 | 105 | 0.20 | VH1C221MF105000LP0 | 1000 |
| | 330 | 8 | 10.5 | 290 | 0.20 | VH1C331MF105000LP0 | 500 |
| | 330 | 10 | 7.7 | 290 | 0.20 | VH1C331MG077000LP0 | 500 |
| | 470 | 8 | 10.5 | 320 | 0.20 | VH1C471MF105000LP0 | 500 |
| | 680 | 10 | 10.5 | 470 | 0.20 | VH1C681MG105000LP0 | 500 |
| | 1000 | 10 | 10.5 | 550 | 0.20 | VH1C102MG105000LP0 | 500 |
| | 2200 | 16 | 16.5 | 900 | 0.20 | VH1C222MJ165000LP0 | 500 |
| | 3300 | 16 | 16.5 | 950 | 0.20 | VH1C332MJ165000LP0 | 500 |
| | 4700 | 18 | 16.5 | 1225 | 0.20 | VH1C472MK165000LP0 | 500 |
| 25 | 10 | 4 | 5.4 | 13 | 0.16 | VH1E100MB054000LP0 | 2000 |
| | 22 | 5 | 5.4 | 23 | 0.16 | VH1E220MC054000LP0 | 1000 |
| | 33 | 6.3 | 5.4 | 38 | 0.16 | VH1E330ME054000LP0 | 1000 |
| | 47 | 6.3 | 5.4 | 48 | 0.16 | VH1E470ME054000LP0 | 1000 |
| | 47 | 8 | 6.2 | 79 | 0.16 | VH1E470MF065000LP0 | 1000 |

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| 额定电压 (V.DC) | 静电容量 (±20%) (μ F) | 产品尺寸(mm) | | 电气特性 | | 料号 | 最小包装 数量 (PCS) |
|----------------|------------------------------|----------|------|--|-----------------------------------|--------------------|---------------------|
| | | ϕ D | L | 额定纹波电流 (120Hz) (+105℃) (mA r.m.s) | $\tan\delta$ (120HZ) (+20℃) | | |
| 25 | 100 | 6.3 | 7.7 | 100 | 0.16 | VH1E101ME077000LP0 | 1000 |
| | 100 | 8 | 6.2 | 145 | 0.16 | VH1E101MF062000LP0 | 1000 |
| | 150 | 6.3 | 7.7 | 91 | 0.16 | VH1E151ME077000LP0 | 1000 |
| | 220 | 8 | 10.5 | 240 | 0.16 | VH1E221MF105000LP0 | 500 |
| | 220 | 10 | 7.7 | 240 | 0.16 | VH1E221MG077000LP0 | 500 |
| | 330 | 8 | 10.5 | 320 | 0.16 | VH1E331MF105000LP0 | 500 |
| | 470 | 10 | 10.5 | 450 | 0.16 | VH1E471MG105000LP0 | 500 |
| | 680 | 10 | 10.5 | 490 | 0.16 | VH1E681MG105000LP0 | 500 |
| | 1000 | 12.5 | 16.5 | 550 | 0.16 | VH1E102MI165000LP0 | 200 |
| | 2200 | 16 | 16.5 | 900 | 0.16 | VH1E222MJ165000LP0 | 125 |
| | 3300 | 18 | 16.5 | 1150 | 0.16 | VH1E332MK165000LP0 | 125 |
| 4700 | 18 | 21.5 | 1300 | 0.16 | VH1E472MK215000LP0 | 125 | |
| 35 | 4.7 | 4 | 5.4 | 16 | 0.14 | VH1V4R7MB054000LP0 | 2000 |
| | 10 | 5 | 5.4 | 27 | 0.14 | VH1V100MC054000LP0 | 1000 |
| | 22 | 6.3 | 5.4 | 44 | 0.14 | VH1V220ME054000LP0 | 1000 |
| | 33 | 6.3 | 7.7 | 59 | 0.14 | VH1V330ME077000LP0 | 1000 |
| | 33 | 8 | 6.2 | 76 | 0.14 | VH1V330MF065000LP0 | 1000 |
| | 47 | 6.3 | 7.7 | 80 | 0.14 | VH1V470ME077000LP0 | 1000 |
| | 47 | 8 | 6.2 | 105 | 0.14 | VH1V470MF062000LP0 | 1000 |
| | 100 | 6.3 | 7.7 | 100 | 0.14 | VH1V101ME077000LP0 | 1000 |
| | 150 | 8 | 10.5 | 260 | 0.14 | VH1V151MF105000LP0 | 500 |
| | 150 | 10 | 7.7 | 260 | 0.14 | VH1V151MG077000LP0 | 500 |
| | 220 | 10 | 10.5 | 450 | 0.14 | VH1V221MG105000LP0 | 500 |
| | 330 | 10 | 10.5 | 450 | 0.14 | VH1V331MG105000LP0 | 500 |
| | 470 | 10 | 10.5 | 480 | 0.14 | VH1V471MG105000LP0 | 500 |
| | 680 | 12.5 | 13.5 | 600 | 0.14 | VH1V681MI135000LP0 | 200 |
| 1000 | 16 | 16.5 | 800 | 0.14 | VH1V102MJ165000LP0 | 125 | |
| 2200 | 18 | 16.5 | 1050 | 0.14 | VH1V222MK165000LP0 | 125 | |
| 50 | 1 | 4 | 5.4 | 6.3 | 0.12 | VH1H1R0MB054000LP0 | 2000 |
| | 2.2 | 4 | 5.4 | 11 | 0.12 | VH1H2R2MB054000LP0 | 2000 |
| | 3.3 | 4 | 5.4 | 14 | 0.12 | VH1H3R3MB054000LP0 | 2000 |
| | 4.7 | 5 | 5.4 | 19 | 0.12 | VH1H4R7MC054000LP0 | 1000 |
| | 10 | 6.3 | 5.4 | 30 | 0.12 | VH1H100MC077000LP0 | 1000 |
| | 22 | 6.3 | 7.7 | 51 | 0.12 | VH1H220MC077000LP0 | 1000 |
| | 22 | 8 | 6.2 | 67 | 0.12 | VH1H220MF065000LP0 | 1000 |
| | 33 | 6.3 | 7.7 | 60 | 0.12 | VH1H330ME077000LP0 | 1000 |
| | 47 | 6.3 | 7.7 | 63 | 0.12 | VH1H470ME077000LP0 | 1000 |
| | 100 | 8 | 10.5 | 230 | 0.12 | VH1H101MF105000LP0 | 500 |
| | 150 | 10 | 10.5 | 250 | 0.12 | VH1H151MG105000LP0 | 500 |
| | 220 | 10 | 10.5 | 375 | 0.12 | VH1H221MG105000LP0 | 500 |
| | 330 | 10 | 10.5 | 400 | 0.12 | VH1H331MG105000LP0 | 500 |
| | 470 | 12.5 | 13.5 | 490 | 0.12 | VH1H471MI135000LP0 | 200 |
| | 680 | 16 | 16.5 | 700 | 0.12 | VH1H681MJ165000LP0 | 125 |
| 1000 | 18 | 16.5 | 990 | 0.12 | VH1H102MK165000LP0 | 125 | |

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■特性一览表

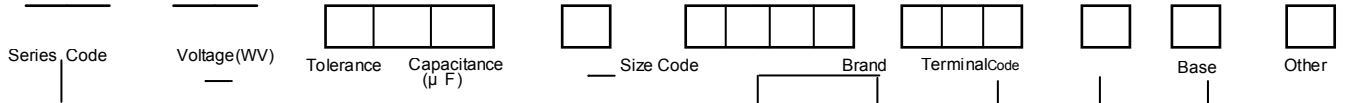
| 额定电压 (V.DC) | 静电容量 (±20%) (μF) | 产品尺寸(mm) | | 电气特性 | | 料号 | 最小包装 数量 (PCS) |
|----------------|-------------------------------------|----------|------|--|-----------------------------------|--------------------|---------------------|
| | | ϕ D | L | 额定纹波电流 (120Hz) (+105℃) (mA r.m.s) | $\tan\delta$ (120HZ) (+20℃) | | |
| 63 | 0.1 | 4 | 5.4 | 1 | 0.12 | VH1J0R1MB054000LP0 | 2000 |
| | 0.22 | 4 | 5.4 | 2.3 | 0.12 | VH1JR22MB054000LP0 | 2000 |
| | 0.33 | 4 | 5.4 | 3.5 | 0.12 | VH1JR33MB054000LP0 | 2000 |
| | 0.47 | 4 | 5.4 | 5 | 0.12 | VH1JR47MB054000LP0 | 2000 |
| | 1 | 4 | 5.4 | 8 | 0.12 | VH1JR10MB054000LP0 | 2000 |
| | 2.2 | 4 | 5.4 | 12 | 0.12 | VH1J2R2MB054000LP0 | 2000 |
| | 3.3 | 4 | 5.4 | 20 | 0.12 | VH1J3R3MB054000LP0 | 2000 |
| | 4.7 | 5 | 5.4 | 25 | 0.12 | VH1J4R7MC054000LP0 | 1000 |
| | 10 | 6.3 | 5.4 | 42 | 0.12 | VH1J100ME054000LP0 | 1000 |
| | 10 | 8 | 6.2 | 51 | 0.12 | VH1J220MF065000LP0 | 1000 |
| | 22 | 6.3 | 7.7 | 50 | 0.12 | VH1J220ME077000LP0 | 1000 |
| | 33 | 8 | 10.5 | 90 | 0.12 | VH1J330MF105000LP0 | 500 |
| | 47 | 8 | 10.5 | 100 | 0.12 | VH1J470MF105000LP0 | 500 |
| | 100 | 10 | 10.5 | 150 | 0.12 | VH1J101MG105000LP0 | 500 |
| | 150 | 10 | 10.5 | 170 | 0.12 | VH1J151MG105000LP0 | 500 |
| | 220 | 10 | 10.5 | 205 | 0.12 | VH1J221MG105000LP0 | 500 |
| | 220 | 12.5 | 13.5 | 250 | 0.12 | VH1J221MI135000LP0 | 200 |
| | 330 | 12.5 | 16.5 | 300 | 0.12 | VH1J331MI165000LP0 | 200 |
| | 470 | 16 | 16.5 | 450 | 0.12 | VH1J471MJ165000LP0 | 125 |
| | 680 | 18 | 16.5 | 600 | 0.12 | VH1J681MK165000LP0 | 125 |
| 1000 | 18 | 21.5 | 800 | 0.12 | VH1J102MK215000LP0 | 125 | |
| 80 | 22 | 8 | 10.5 | 100 | 0.12 | VH1K220MF105000LP0 | 500 |
| | 33 | 8 | 10.5 | 100 | 0.12 | VH1K330MF105000LP0 | 500 |
| | 47 | 10 | 10.5 | 150 | 0.12 | VH1K470MG105000LP0 | 500 |
| | 100 | 10 | 10.5 | 180 | 0.12 | VH1K101MG105000LP0 | 500 |
| | 150 | 12.5 | 13.5 | 280 | 0.12 | VH1K151MI135000LP0 | 200 |
| | 220 | 16 | 16.5 | 410 | 0.12 | VH1K221MJ165000LP0 | 125 |
| | 330 | 16 | 16.5 | 510 | 0.12 | VH1K331MJ165000LP0 | 125 |
| | 470 | 18 | 16.5 | 560 | 0.12 | VH1K471MK165000LP0 | 125 |
| 100 | 1 | 4 | 5.4 | 10 | 0.12 | VH2D010MB054000LP0 | 2000 |
| | 2.2 | 5 | 5.4 | 32 | 0.12 | VH2D2R2MC054000LP0 | 1000 |
| | 3.3 | 5 | 5.4 | 35 | 0.12 | VH2D3R3MB054000LP0 | 1000 |
| | 4.7 | 5 | 5.4 | 40 | 0.12 | VH2D4R7MB054000LP0 | 1000 |
| | 4.7 | 6.3 | 5.4 | 45 | 0.12 | VH2D4R7MF054000LP0 | 1000 |
| | 10 | 6.3 | 5.4 | 47 | 0.12 | VH2D100ME054000LP0 | 1000 |
| | 10 | 6.3 | 7.7 | 60 | 0.12 | VH2D100ME077000LP0 | 1000 |
| | 22 | 6.3 | 7.7 | 62 | 0.12 | VH2D220ME077000LP0 | 1000 |
| | 22 | 8 | 10.5 | 80 | 0.12 | VH2D220MF105000LP0 | 500 |
| | 33 | 8 | 10.5 | 90 | 0.12 | VH2D330MF105000LP0 | 500 |
| | 47 | 8 | 10.5 | 100 | 0.12 | VH2D470MF105000LP0 | 500 |
| | 47 | 10 | 10.5 | 130 | 0.12 | VH2D470MG105000LP0 | 500 |
| | 68 | 10 | 10.5 | 133 | 0.12 | VH2D680MG105000LP0 | 500 |
| | 100 | 12.5 | 13.5 | 220 | 0.12 | VH2D101MI135000LP0 | 200 |
| | 150 | 16 | 16.5 | 240 | 0.12 | VH2D151MJ165000LP0 | 125 |
| | 220 | 16 | 16.5 | 410 | 0.12 | VH2D221MJ165000LP0 | 125 |
| 330 | 18 | 16.5 | 520 | 0.12 | VH2D331MK165000LP0 | 125 | |

铝电解电容器（表面贴装型）

铝电解电容器产品编码体系表

Product symbol system for Aluminum Electrolytic Capacitors

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|



Fill In Code Of Variety list

例:

| Series | Code |
|--------|------|
| VT | VT |
| JVD | JVD |

| Voltage | Code |
|---------|------|
| 4 | OQ |
| 6.3 | OJ |
| 10 | 1A |
| 16 | 1C |
| 25 | 1E |
| 35 | 1V |
| 50 | 1H |
| 63 | 1J |
| 80 | 1K |
| 100 | 2A |
| 125 | 2B |
| 160 | 2C |
| 180 | 2Z |
| 200 | 2D |
| 220 | 2P |
| 250 | 2E |
| 315 | 2F |
| 330 | 2U |
| 350 | 2V |
| 400 | 2G |
| 420 | W6 |
| 450 | 2H |

| Cap (μ F) | Code |
|-----------|------|
| 0.1 | 0R1 |
| 0.22 | R22 |
| 0.33 | R33 |
| 0.47 | R47 |
| 1 | 010 |
| 2.2 | 2R2 |
| 3.3 | 3R3 |
| 4.7 | 4R7 |
| 10 | 100 |
| 22 | 220 |
| 33 | 330 |
| 47 | 470 |
| 100 | 101 |
| 220 | 221 |
| 270 | 271 |
| 330 | 331 |
| 390 | 391 |
| 470 | 471 |
| 560 | 561 |
| 680 | 681 |
| 1000 | 102 |
| 2200 | 222 |
| 3300 | 332 |
| 4700 | 472 |
| 10000 | 103 |
| 22000 | 223 |

| Tolerance (%) | Code |
|---------------|------|
| +5 | J |
| -5 | J |
| +10 | K |
| -10 | K |
| +15 | Y |
| -15 | Y |
| +20 | M |
| -20 | M |
| +20 | R |
| -0 | R |
| +20 | H |
| -5 | H |
| +20 | V |
| -10 | V |
| +30 | F |
| -0 | F |
| +30 | G |
| +10 | G |
| +30 | Q |
| -10 | Q |
| +20 | E |
| -15 | E |

| Φ D | Code | L | Code |
|------|------|------|------|
| 3 | A | 5 | 050 |
| 4 | B | 5.4 | 054 |
| 5 | C | 5.8 | 058 |
| 6 | D | 6.2 | 062 |
| 6.3 | E | 7.7 | 077 |
| 8 | F | 9 | 090 |
| 10 | G | 10.5 | 105 |
| 12 | H | 12.5 | 125 |
| 12.5 | I | 13.5 | 135 |
| 16 | J | 14 | 140 |
| 18 | K | 16.5 | 165 |
| | | 21.5 | 215 |
| | | 25 | 250 |
| | | 30 | 300 |
| | | 35 | 350 |
| | | 40 | 400 |
| | | 45 | 450 |
| | | 50 | 500 |
| | | 55 | 550 |
| | | 60 | 600 |

| Brand | Code |
|-------|------|
| LH | L |

| Base | Code |
|------|------|
| PPA | P |

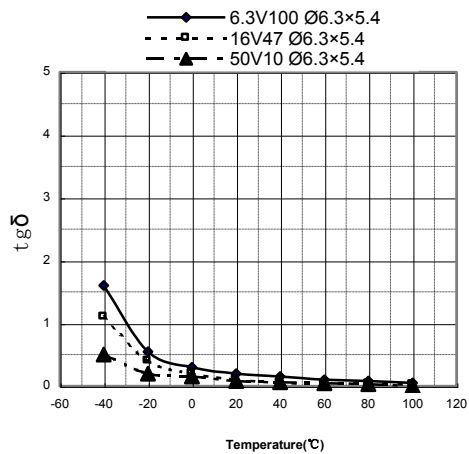
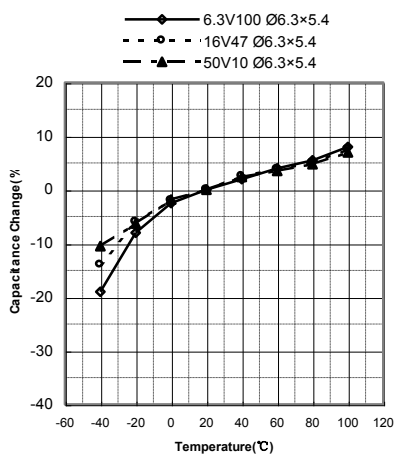
说明：系列别为二个英文字母时（如VT系列），此处(13-15码)代号为：000

例：VT 10V-220 6.3*5.4 其料号编码为：VT1A221ME054000LPO

铝电解电容器（表面贴装型）

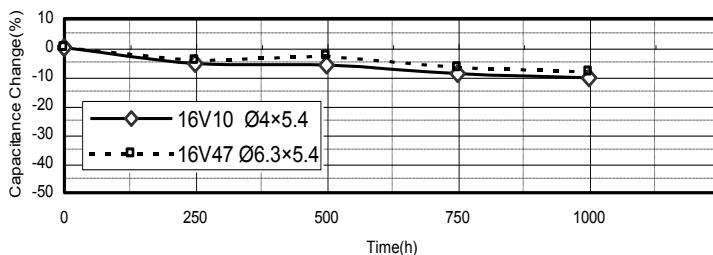
贴片型产品温度、特性曲线

温度特性曲线 Temperature Characteristics

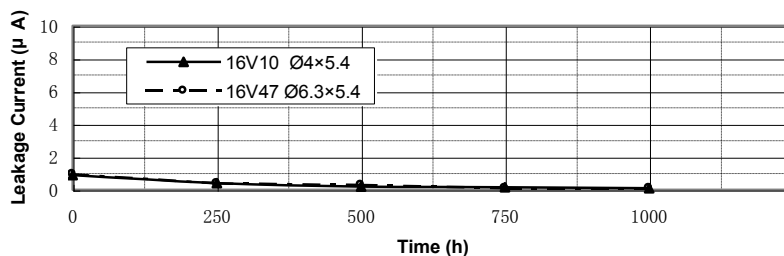
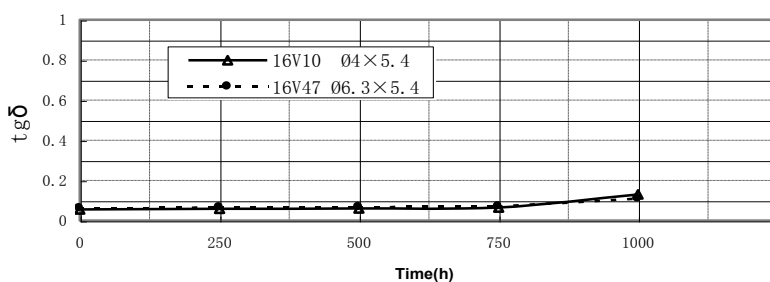


寿命曲线 Load Life Data

Post Test Requirement: ±20%(1000h)



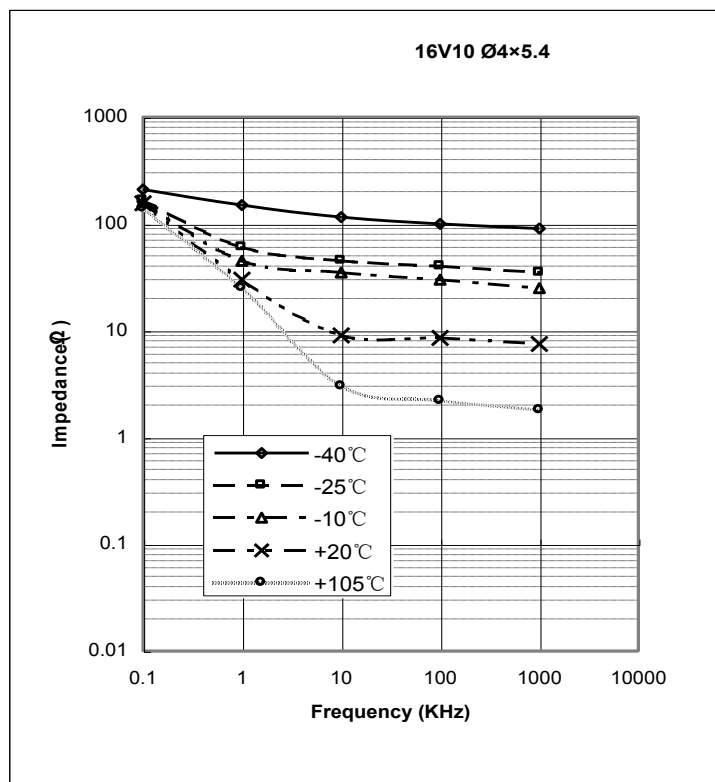
Post Test Requirement: 0.32max.(1000h)



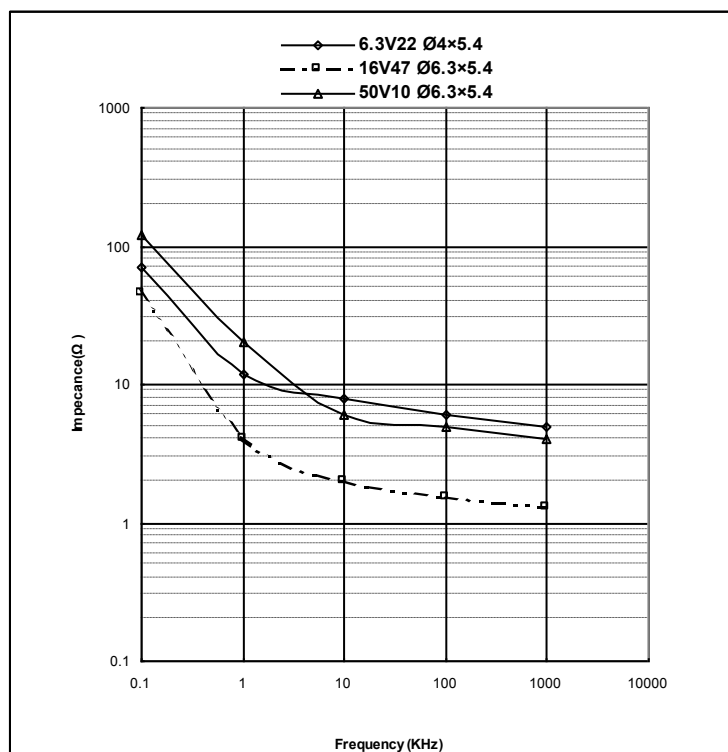
铝电解电容器（表面贴装型）

贴片型产品温度、特性曲线

温度特性曲线 Temperature Characteristics Data



频率特性曲线 Frequency Characteristics Data



铝电解电容器（表面贴装型）

■ Package quantity 包装数量

| Φ D×L | Quantity / Reel 数量 / 每盘 | pcs/Boxes 数量/小包装箱 | pcs/Large packing cases 数量/大包装箱 |
|-------------------------------|----------------------------|----------------------|------------------------------------|
| 4×5.4、4×5.8 | 2000pcs | 24000pcs | 48000pcs |
| 5×5.4、5.5.8 | 1000pcs | 12000pcs | 24000pcs |
| 6.3×5.4、6.3×5.8、6.3×7.7、8×6.2 | 1000pcs | 10000pcs | 20000pcs |
| 8×10.5、10×7.7、10×10.5 | 500pcs | 3500pcs | 7000pcs |
| 6.3×10.5 | 800pcs | 8000pcs | 16000pcs |
| 8×12.5 | 400pcs | 2800pcs | 5600pcs |
| 10×12.5 | 400pcs | 2800pcs | 5600pcs |
| 12.5×13.5 | 200pcs | 1200pcs | 2400pcs |
| 12.5×16.5 | 200pcs | 1200pcs | 2400pcs |
| 16×16.5 | 125pcs | 750pcs | 1500pcs |
| 16×21.5 | 125pcs | 750pcs | 1500pcs |
| 18×16.5 | 125pcs | 750pcs | 1500pcs |
| 18×21.5 | 125pcs | 750pcs | 1500pcs |