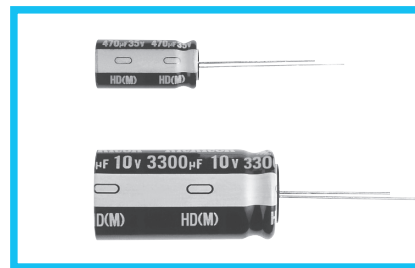
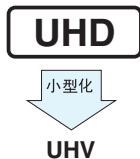


铝电解电容器 ALUMINUM ELECTROLYTIC CAPACITORS

UHD 高纹波低阻抗品



- 大幅度降低了高频阻抗。
- 小型高纹波品。
- RoHS指令(2011/65/EU、(EU)2015/863)已对应完毕。

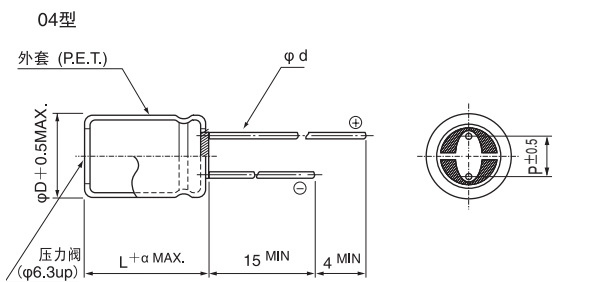


外套颜色：黑色

■ 仕様

| 项 目 | 性 能 | | | | | | | | | |
|---|---|-----------------|----------------|------|--------|-------|-------|------------|------|--|
| 使用温度范围 | -40~+105°C | | | | | | | | | |
| 额定电压范围 | 6.3~50V | | | | | | | | | |
| 额定静电容量范围 | 22~6800 μF | | | | | | | | | |
| 额定静电容量容许差 | ±20% (120Hz, 20°C) | | | | | | | | | |
| 漏损电流 | I = 0.01CV 或 3 (μA) 中的较大值以下 (2分值, 20°C) | | | | | | | | | |
| 损失角正切值 (tan δ) | 额定电压 (V) | 6.3 | 10 | 16 | 25 | 35 | 50 | 120Hz 20°C | | |
| | tan δ (MAX.) | 0.22 | 0.19 | 0.16 | 0.14 | 0.12 | 0.10 | | | |
| 对于超过1000 μF的产品, 每增加1000 μF, 其值便随之增加0.02 | | | | | | | | | | |
| 温度特性 | 额定电压 (V) | 6.3 | 10 | 16 | 25 | 35 | 50 | 120Hz | | |
| | 阻抗率 (MAX.) | Z-25°C / Z+20°C | 2 | 2 | 2 | 2 | 2 | | 2 | |
| 耐久性 | 在105°C下, 在不超过额定电压的范围内重叠规定的额定纹波电流, 印加右表条件下的电压后, 返回20°C进行测定时, 满足以下项目。 | | φD(mm) 额定电压 | | ≤ φ6.3 | φ8 | φ10 | ≥ φ12.5 | h=小时 | |
| | 静电容量变化率 | | 6.3~50V | | 2000h | 3000h | 4000h | 5000h | | |
| | 损失角正切值 (tan δ) | | 初始值的±25%以内 | | | | | | | |
| | 漏损电流 | | 初始标准值的200%以下 | | | | | | | |
| 表示 | 在黑色外套上标示白色 | | | | | | | | | |

■ 尺寸图

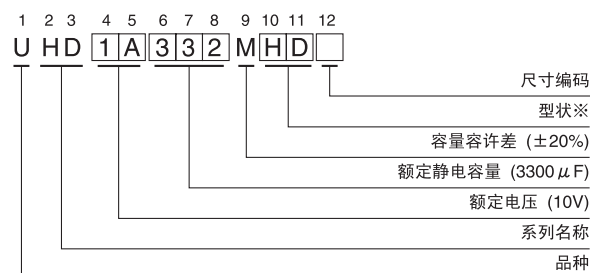


(单位: mm)

| | | | | | | | | |
|----|----------|-----|-----|-----|------|-----|--|--|
| α | (L < 20) | 1.5 | | | | | | |
| | (L ≥ 20) | 2.0 | | | | | | |
| | | | | | | | | |
| φD | 5 | 6.3 | 8 | 10 | 12.5 | 16 | | |
| P | 2.0 | 2.5 | 3.5 | 5.0 | 5.0 | 7.5 | | |
| φd | 0.5 | 0.5 | 0.6 | 0.6 | ※0.6 | 0.8 | | |

※: φ12.5的情况下, L > 25时 φd = 0.8

品号编码体系 (例: 10V 3300 μF)



※型状

| φD | 无铅电镀端子 PET外套品编码 |
|-----------|--------------------|
| 5 | DD |
| 6.3 | ED |
| 8 · 10 | PD |
| 12.5 · 16 | HD |

●封口部的形状请参照铝电解电容器手册。

● 额定纹波电流的频率修正系数

| Cap. (μF) | 频率 | 50Hz | 120Hz | 1kHz | 10kHz | 100kHz ~ |
|-------------|----|------|-------|------|-------|----------|
| 22 ~ 33 | | 0.45 | 0.55 | 0.75 | 0.90 | 1.00 |
| 47 ~ 330 | | 0.60 | 0.70 | 0.85 | 0.95 | 1.00 |
| 470 ~ 1000 | | 0.65 | 0.75 | 0.90 | 0.98 | 1.00 |
| 1200 ~ 6800 | | 0.75 | 0.80 | 0.95 | 1.00 | 1.00 |

● 尺寸表见下页。

铝电解电容器 ALUMINUM ELECTROLYTIC CAPACITORS

UHD

■ 尺寸表

| 额定电压 (V) (编码) | 额定静电容量 (μ F) | 铝壳尺寸 ϕ D \times L (mm) | $\tan \delta$ | 漏损电流 (μ A) (2分値/20 $^{\circ}$ C) | 阻抗(Ω)MAX. | | 额定纹波电流 (mA _{rms}) (105 $^{\circ}$ C/100kHz) | 品 号 |
|---------------------|----------------------|-------------------------------------|---------------|---|----------------------------|-----------------------------|---|--------------|
| | | | | | 20 $^{\circ}$ C/ 100kHz | -10 $^{\circ}$ C/ 100kHz | | |
| 6.3 (0J) | 150 | 5 \times 11 | 0.22 | 9.45 | 0.30 | 1.00 | 250 | UHD0J151MDD |
| | 330 | 6.3 \times 11 | 0.22 | 20.79 | 0.13 | 0.41 | 405 | UHD0J331MED |
| | 560 | 8 \times 11.5 | 0.22 | 35.28 | 0.072 | 0.22 | 760 | UHD0J561MPD |
| | 820 | 8 \times 15 | 0.22 | 51.66 | 0.056 | 0.17 | 995 | UHD0J821MPD |
| | 1000 | 10 \times 12.5 | 0.22 | 63 | 0.053 | 0.16 | 1030 | UHD0J102MPD |
| | 1200 | 8 \times 20 | 0.22 | 75.6 | 0.041 | 0.13 | 1250 | UHD0J122MPD |
| | 1200 | 10 \times 16 | 0.22 | 75.6 | 0.038 | 0.12 | 1430 | UHD0J122MPD6 |
| | 1500 | 10 \times 20 | 0.22 | 94.5 | 0.023 | 0.069 | 1820 | UHD0J152MPD |
| | 2200 | 10 \times 25 | 0.24 | 138.6 | 0.022 | 0.066 | 2150 | UHD0J222MPD |
| | 3300 | 12.5 \times 20 | 0.26 | 207.9 | 0.021 | 0.053 | 2360 | UHD0J332MHD |
| | 3900 | 12.5 \times 25 | 0.26 | 245.7 | 0.018 | 0.045 | 2770 | UHD0J392MHD |
| | 4700 | 12.5 \times 31.5 | 0.28 | 296.1 | 0.016 | 0.041 | 3290 | UHD0J472MHD |
| | 5600 | 12.5 \times 35.5 | 0.30 | 352.8 | 0.015 | 0.039 | 3400 | UHD0J562MHD |
| | 5600 | 16 \times 20 | 0.30 | 352.8 | 0.018 | 0.045 | 3140 | UHD0J562MHD6 |
| 6800 | 16 \times 25 | 0.32 | 428.4 | 0.016 | 0.043 | 3460 | UHD0J682MHD | |
| 10 (1A) | 100 | 5 \times 11 | 0.19 | 10 | 0.30 | 1.00 | 250 | UHD1A101MDD |
| | 220 | 6.3 \times 11 | 0.19 | 22 | 0.13 | 0.41 | 405 | UHD1A221MED |
| | 470 | 8 \times 11.5 | 0.19 | 47 | 0.072 | 0.22 | 760 | UHD1A471MPD |
| | 680 | 8 \times 15 | 0.19 | 68 | 0.056 | 0.17 | 995 | UHD1A681MPD |
| | 680 | 10 \times 12.5 | 0.19 | 68 | 0.053 | 0.16 | 1030 | UHD1A681MPD6 |
| | 1000 | 8 \times 20 | 0.19 | 100 | 0.041 | 0.13 | 1250 | UHD1A102MPD |
| | 1000 | 10 \times 16 | 0.19 | 100 | 0.038 | 0.12 | 1430 | UHD1A102MPD6 |
| | 1200 | 10 \times 20 | 0.19 | 120 | 0.023 | 0.069 | 1820 | UHD1A122MPD |
| | 1500 | 10 \times 25 | 0.19 | 150 | 0.022 | 0.066 | 2150 | UHD1A152MPD |
| | 2200 | 12.5 \times 20 | 0.21 | 220 | 0.021 | 0.053 | 2360 | UHD1A222MHD |
| | 3300 | 12.5 \times 25 | 0.23 | 330 | 0.018 | 0.045 | 2770 | UHD1A332MHD |
| | 3900 | 12.5 \times 31.5 | 0.23 | 390 | 0.016 | 0.041 | 3290 | UHD1A392MHD |
| | 3900 | 16 \times 20 | 0.23 | 390 | 0.018 | 0.045 | 3140 | UHD1A392MHD6 |
| | 4700 | 12.5 \times 35.5 | 0.25 | 470 | 0.015 | 0.039 | 3400 | UHD1A472MHD |
| 5600 | 16 \times 25 | 0.27 | 560 | 0.016 | 0.043 | 3460 | UHD1A562MHD | |
| 16 (1C) | 56 | 5 \times 11 | 0.16 | 8.96 | 0.30 | 1.00 | 250 | UHD1C560MDD |
| | 120 | 6.3 \times 11 | 0.16 | 19.2 | 0.13 | 0.41 | 405 | UHD1C121MED |
| | 330 | 8 \times 11.5 | 0.16 | 52.8 | 0.072 | 0.22 | 760 | UHD1C331MPD |
| | 470 | 8 \times 15 | 0.16 | 75.2 | 0.056 | 0.17 | 995 | UHD1C471MPD |
| | 470 | 10 \times 12.5 | 0.16 | 75.2 | 0.053 | 0.16 | 1030 | UHD1C471MPD6 |
| | 680 | 8 \times 20 | 0.16 | 108.8 | 0.041 | 0.13 | 1250 | UHD1C681MPD |
| | 680 | 10 \times 16 | 0.16 | 108.8 | 0.038 | 0.12 | 1430 | UHD1C681MPD6 |
| | 1000 | 10 \times 20 | 0.16 | 160 | 0.023 | 0.069 | 1820 | UHD1C102MPD |
| | 1200 | 10 \times 25 | 0.16 | 192 | 0.022 | 0.066 | 2150 | UHD1C122MPD |
| | 1500 | 12.5 \times 20 | 0.16 | 240 | 0.021 | 0.053 | 2360 | UHD1C152MHD |
| | 2200 | 12.5 \times 25 | 0.18 | 352 | 0.018 | 0.045 | 2770 | UHD1C222MHD |
| | 2700 | 12.5 \times 31.5 | 0.18 | 432 | 0.016 | 0.041 | 3290 | UHD1C272MHD |
| | 2700 | 16 \times 20 | 0.18 | 432 | 0.018 | 0.045 | 3140 | UHD1C272MHD6 |
| | 3300 | 12.5 \times 35.5 | 0.20 | 528 | 0.015 | 0.039 | 3400 | UHD1C332MHD |
| 3900 | 16 \times 25 | 0.20 | 624 | 0.016 | 0.043 | 3460 | UHD1C392MHD | |

引线加工品、编带加工品的品号中请在品号编码末尾写明加工符号，没有第12位的尺寸编码时请在品号编码第12位填入“1”。

铝电解电容器 ALUMINUM ELECTROLYTIC CAPACITORS

UHD

■ 尺寸表

| 额定电压 (V) (编码) | 额定静电容量 (μ F) | 铝壳尺寸 ϕ D \times L (mm) | tan δ | 漏损电流 (μ A) (2分値/20°C) | 阻抗(Ω)MAX. | | 额定纹波电流 (mA _{rms}) (105°C/100kHz) | 品 号 |
|---------------------|----------------------|-------------------------------------|--------------|----------------------------------|--------------------|------------------|--|--------------|
| | | | | | 20°C/ 100kHz | -10°C/ 100kHz | | |
| 25 (1E) | 47 | 5 \times 11 | 0.14 | 11.75 | 0.30 | 1.00 | 250 | UHD1E470MDD |
| | 100 | 6.3 \times 11 | 0.14 | 25 | 0.13 | 0.41 | 405 | UHD1E101MED |
| | 220 | 8 \times 11.5 | 0.14 | 55 | 0.072 | 0.22 | 760 | UHD1E221MPD |
| | 330 | 8 \times 15 | 0.14 | 82.5 | 0.056 | 0.17 | 995 | UHD1E331MPD |
| | 330 | 10 \times 12.5 | 0.14 | 82.5 | 0.053 | 0.16 | 1030 | UHD1E331MPD6 |
| | 470 | 8 \times 20 | 0.14 | 117.5 | 0.041 | 0.13 | 1250 | UHD1E471MPD |
| | 470 | 10 \times 16 | 0.14 | 117.5 | 0.038 | 0.12 | 1430 | UHD1E471MPD6 |
| | 680 | 10 \times 20 | 0.14 | 170 | 0.023 | 0.069 | 1820 | UHD1E681MPD |
| | 820 | 10 \times 25 | 0.14 | 205 | 0.022 | 0.066 | 2150 | UHD1E821MPD |
| | 1000 | 12.5 \times 20 | 0.14 | 250 | 0.021 | 0.053 | 2360 | UHD1E102MHD |
| | 1500 | 12.5 \times 25 | 0.14 | 375 | 0.018 | 0.045 | 2770 | UHD1E152MHD |
| | 1800 | 12.5 \times 31.5 | 0.14 | 450 | 0.016 | 0.041 | 3290 | UHD1E182MHD |
| | 1800 | 16 \times 20 | 0.14 | 450 | 0.018 | 0.045 | 3140 | UHD1E182MHD6 |
| | 2200 | 12.5 \times 35.5 | 0.16 | 550 | 0.015 | 0.039 | 3400 | UHD1E222MHD |
| 2700 | 16 \times 25 | 0.16 | 675 | 0.016 | 0.043 | 3460 | UHD1E272MHD | |
| 35 (1V) | 33 | 5 \times 11 | 0.12 | 11.55 | 0.30 | 1.00 | 250 | UHD1V330MDD |
| | 56 | 6.3 \times 11 | 0.12 | 19.6 | 0.13 | 0.41 | 405 | UHD1V560MED |
| | 150 | 8 \times 11.5 | 0.12 | 52.5 | 0.072 | 0.22 | 760 | UHD1V151MPD |
| | 220 | 8 \times 15 | 0.12 | 77 | 0.056 | 0.17 | 995 | UHD1V221MPD |
| | 220 | 10 \times 12.5 | 0.12 | 77 | 0.053 | 0.16 | 1030 | UHD1V221MPD6 |
| | 270 | 8 \times 20 | 0.12 | 94.5 | 0.041 | 0.13 | 1250 | UHD1V271MPD |
| | 330 | 10 \times 16 | 0.12 | 115.5 | 0.038 | 0.12 | 1430 | UHD1V331MPD |
| | 470 | 10 \times 20 | 0.12 | 164.5 | 0.023 | 0.069 | 1820 | UHD1V471MPD |
| | 560 | 10 \times 25 | 0.12 | 196 | 0.022 | 0.066 | 2150 | UHD1V561MPD |
| | 680 | 12.5 \times 20 | 0.12 | 238 | 0.021 | 0.053 | 2360 | UHD1V681MHD |
| | 1000 | 12.5 \times 25 | 0.12 | 350 | 0.018 | 0.045 | 2770 | UHD1V102MHD |
| | 1200 | 12.5 \times 31.5 | 0.12 | 420 | 0.016 | 0.041 | 3290 | UHD1V122MHD |
| | 1200 | 16 \times 20 | 0.12 | 420 | 0.018 | 0.045 | 3140 | UHD1V122MHD6 |
| | 1500 | 12.5 \times 35.5 | 0.12 | 525 | 0.015 | 0.039 | 3400 | UHD1V152MHD |
| 1800 | 16 \times 25 | 0.12 | 630 | 0.016 | 0.043 | 3460 | UHD1V182MHD | |
| 50 (1H) | 22 | 5 \times 11 | 0.10 | 11 | 0.34 | 1.18 | 238 | UHD1H220MDD |
| | 56 | 6.3 \times 11 | 0.10 | 28 | 0.14 | 0.50 | 385 | UHD1H560MED |
| | 100 | 8 \times 11.5 | 0.10 | 50 | 0.074 | 0.22 | 724 | UHD1H101MPD |
| | 120 | 8 \times 15 | 0.10 | 60 | 0.061 | 0.18 | 950 | UHD1H121MPD |
| | 150 | 10 \times 12.5 | 0.10 | 75 | 0.061 | 0.18 | 979 | UHD1H151MPD |
| | 180 | 8 \times 20 | 0.10 | 90 | 0.046 | 0.14 | 1190 | UHD1H181MPD |
| | 220 | 10 \times 16 | 0.10 | 110 | 0.042 | 0.12 | 1370 | UHD1H221MPD |
| | 270 | 10 \times 20 | 0.10 | 135 | 0.030 | 0.090 | 1580 | UHD1H271MPD |
| | 330 | 10 \times 25 | 0.10 | 165 | 0.028 | 0.085 | 1870 | UHD1H331MPD |
| | 470 | 12.5 \times 20 | 0.10 | 235 | 0.027 | 0.068 | 2050 | UHD1H471MHD |
| | 560 | 12.5 \times 25 | 0.10 | 280 | 0.023 | 0.059 | 2410 | UHD1H561MHD |
| | 680 | 12.5 \times 31.5 | 0.10 | 340 | 0.021 | 0.052 | 2860 | UHD1H681MHD |
| | 820 | 12.5 \times 35.5 | 0.10 | 410 | 0.019 | 0.051 | 2960 | UHD1H821MHD |
| | 820 | 16 \times 20 | 0.10 | 410 | 0.023 | 0.059 | 2730 | UHD1H821MHD6 |
| 1000 | 16 \times 25 | 0.10 | 500 | 0.021 | 0.056 | 3010 | UHD1H102MHD | |

引线加工品、编带加工品的品号中请在品号编码末尾写明加工符号，没有第12位的尺寸编码时请在品号编码第12位填入“1”。

• 引线加工、编带仕様、订货单位请参照铝电解电容器手册。