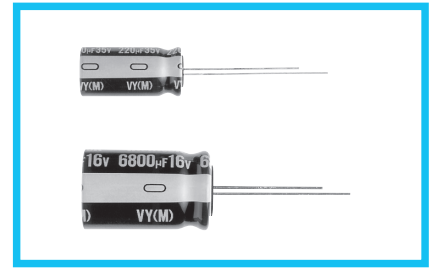
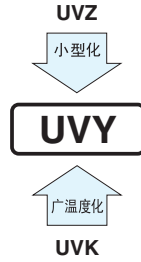


铝电解电容器 ALUMINUM ELECTROLYTIC CAPACITORS

UVY 广温度范围用小型化品



- UVZ的1~2个级别小型化品。
- RoHS指令(2011/65/EU、(EU)2015/863)已对应完毕。



外套颜色：黑色

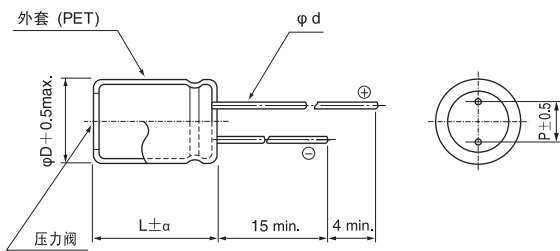
仕样

| 项 目 | 性 能 | | | | | | | | | | | | |
|---|--|--|------|------|------|-------|--------|--|---------|---------|---------|-----------|--|
| 使用温度范围 | -55~+105℃ (6.3~100V), -40~+105℃ (160~400V), -25~+105℃ (450V) | | | | | | | | | | | | |
| 额定电压范围 | 6.3~450V | | | | | | | | | | | | |
| 额定静电容量范围 | 2.2~22000 μF | | | | | | | | | | | | |
| 额定静电容量容许差 | ±20% (120Hz, 20℃) | | | | | | | | | | | | |
| 漏损电流 ※ | 额定电压 (V) | 6.3~100 | | | | | | 160~450 | | | | | |
| | | I = 0.03CV (μA)以下(1分値, 20℃) I = 0.01CV (μA)以下(2分値, 20℃) | | | | | | CV ≤ 1000 : I = 0.1CV + 40 (μA)以下 (1分値, 20℃) CV > 1000 : I = 0.04CV + 100 (μA)以下 (1分値, 20℃) | | | | | |
| 损失角正切值 (tan δ) | 额定电压 (V) | 6.3 | 10 | 16 | 25 | 35 | 50 | 63 | 100 | 160~250 | 350~450 | 120Hz 20℃ | |
| | tan δ (max.) | 0.28 | 0.24 | 0.20 | 0.16 | 0.14 | 0.12 | 0.10 | 0.08 | 0.20 | 0.25 | | |
| 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 | 63~100 | 160~200 | 250~350 | 400 | 450 | 120Hz | |
| | 阻抗率 (max.) | Z(-25℃)/Z(+20℃) | 5 | 4 | 3 | 2 | 2 | 2 | 3 | 4 | 6 | 15 | |
| | | Z(-40℃)/Z(+20℃) | 10 | 8 | 6 | 4 | 3 | 3 | 4 | 8 | 10 | - | |
| 耐久性 | 在105℃下 连续印加额定电压2000小时 (φ8: 1000小时)后, 返回20℃进行测定时, 满足以下项目 | | | | | | | | | | | | |
| | 静电容量变化率 | 初始值的±20%以内 | | | | | | | | | | | |
| | 损失角正切值 (tan δ) | 初始标准值的200%以下 | | | | | | | | | | | |
| | 漏损电流 | 初始标准值以下 | | | | | | | | | | | |
| 高温无负荷特性 | 在105℃下, 无负荷放置1000小时后, 在20℃下根据 JIS C 5101-4 4.1项进行电压处理后, 应满足上述耐久性的标准值 | | | | | | | | | | | | |
| 表示 | 在黑色外套上标识白色 | | | | | | | | | | | | |

※ I: 漏损电流(μA), C: 额定静电容量(μF), V: 额定电压(V)

尺寸图

04型



(单位:mm)

| | | | | | |
|----|-----|-----|------|-----|-----|
| φD | 8 | 10 | 12.5 | 16 | 18 |
| P | 3.5 | 5.0 | 5.0 | 7.5 | 7.5 |
| φd | 0.6 | 0.6 | 0.6 | 0.8 | 0.8 |

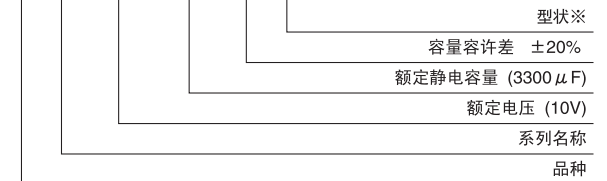
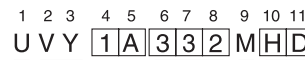
| | |
|---|------------|
| α | (L<20) 1.5 |
| | (L≥20) 2.0 |

●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

| V | Cap.(μF) | 频率 | | | | |
|-----------|--------------|------|-------|-------|-------|----------|
| | | 50Hz | 120Hz | 300Hz | 1 kHz | 10 kHz ~ |
| 6.3 ~ 100 | 33 ~ 68 | 0.75 | 1.00 | 1.35 | 1.57 | 2.00 |
| | 100 ~ 470 | 0.80 | 1.00 | 1.23 | 1.34 | 1.50 |
| | 1000 ~ 22000 | 0.85 | 1.00 | 1.10 | 1.13 | 1.15 |
| 160 ~ 450 | 2.2 ~ 220 | 0.80 | 1.00 | 1.25 | 1.40 | 1.60 |
| | 330 ~ 470 | 0.90 | 1.00 | 1.10 | 1.13 | 1.15 |

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 |
| 8·10 | PD |
| 12.5~18 | HD |

●尺寸表见下页。

铝电解电容器 ALUMINUM ELECTROLYTIC CAPACITORS

UVY

■ 尺寸表

| 额定电压 (V) (编码) | 额定静电容量 (μF) | 铝壳尺寸 $\phi\text{D}\times\text{L}$ (mm) | $\tan\delta$ | 漏损电流 (μA) | | 额定纹波电流 (mArms) (105°C/120Hz) | 品 号 |
|---------------------|-----------------------------|--|--------------|---------------------------|--------------|------------------------------------|-------------|
| | | | | 1分值/ 20°C | 2分值/ 20°C | | |
| 6.3 (0J) | 1000 | 8×11.5 | 0.28 | 189 | 63 | 390 | UVY0J102MPD |
| | 2200 | 10×16 | 0.30 | 415.8 | 138.6 | 635 | UVY0J222MPD |
| | 3300 | 10×20 | 0.32 | 623.7 | 207.9 | 840 | UVY0J332MPD |
| | 4700 | 12.5×20 | 0.34 | 888.3 | 296.1 | 1090 | UVY0J472MHD |
| | 6800 | 12.5×25 | 0.38 | 1285.2 | 428.4 | 1350 | UVY0J682MHD |
| | 10000 | 16×25 | 0.46 | 1890 | 630 | 1650 | UVY0J103MHD |
| | 15000 | 16×30.5 | 0.56 | 2835 | 945 | 1820 | UVY0J153MHD |
| | 22000 | 18×35.5 | 0.70 | 4158 | 1386 | 2280 | UVY0J223MHD |
| 10 (1A) | 1000 | 10×12.5 | 0.24 | 300 | 100 | 460 | UVY1A102MPD |
| | 2200 | 10×16 | 0.26 | 660 | 220 | 705 | UVY1A222MPD |
| | 3300 | 12.5×20 | 0.28 | 990 | 330 | 1000 | UVY1A332MHD |
| | 4700 | 12.5×25 | 0.30 | 1410 | 470 | 1260 | UVY1A472MHD |
| | 6800 | 16×25 | 0.34 | 2040 | 680 | 1570 | UVY1A682MHD |
| | 10000 | 16×30.5 | 0.42 | 3000 | 1000 | 1820 | UVY1A103MHD |
| | 15000 | 16×35.5 | 0.52 | 4500 | 1500 | 2050 | UVY1A153MHD |
| | 22000 | 18×40 | 0.66 | 6600 | 2200 | 2420 | UVY1A223MHD |
| 16 (1C) | 470 | 8×11.5 | 0.20 | 225.6 | 75.2 | 315 | UVY1C471MPD |
| | 1000 | 10×12.5 | 0.20 | 480 | 160 | 500 | UVY1C102MPD |
| | 2200 | 10×20 | 0.22 | 1056 | 352 | 710 | UVY1C222MPD |
| | 3300 | 12.5×25 | 0.24 | 1584 | 528 | 1170 | UVY1C332MHD |
| | 4700 | 16×25 | 0.26 | 2256 | 752 | 1500 | UVY1C472MHD |
| | 6800 | 16×25 | 0.30 | 3264 | 1088 | 1600 | UVY1C682MHD |
| | 10000 | 16×35.5 | 0.38 | 4800 | 1600 | 1930 | UVY1C103MHD |
| | 15000 | 18×40 | 0.48 | 7200 | 2400 | 2210 | UVY1C153MHD |
| 25 (1E) | 330 | 8×11.5 | 0.16 | 247.5 | 82.5 | 275 | UVY1E331MPD |
| | 470 | 10×12.5 | 0.16 | 352.5 | 117.5 | 380 | UVY1E471MPD |
| | 1000 | 10×16 | 0.16 | 750 | 250 | 610 | UVY1E102MPD |
| | 2200 | 12.5×25 | 0.18 | 1650 | 550 | 1090 | UVY1E222MHD |
| | 3300 | 16×25 | 0.20 | 2475 | 825 | 1400 | UVY1E332MHD |
| | 4700 | 16×25 | 0.22 | 3525 | 1175 | 1570 | UVY1E472MHD |
| | 6800 | 16×35.5 | 0.26 | 5100 | 1700 | 1850 | UVY1E682MHD |
| | 10000 | 18×40 | 0.34 | 7500 | 2500 | 2000 | UVY1E103MHD |
| 35 (1V) | 220 | 8×11.5 | 0.14 | 231 | 77 | 250 | UVY1V221MPD |
| | 330 | 10×12.5 | 0.14 | 346.5 | 115.5 | 350 | UVY1V331MPD |
| | 470 | 10×16 | 0.14 | 493.5 | 164.5 | 460 | UVY1V471MPD |
| | 1000 | 12.5×20 | 0.14 | 1050 | 350 | 810 | UVY1V102MHD |
| | 2200 | 16×25 | 0.16 | 2310 | 770 | 1260 | UVY1V222MHD |
| | 3300 | 16×30.5 | 0.18 | 3465 | 1155 | 1500 | UVY1V332MHD |
| | 4700 | 16×35.5 | 0.20 | 4935 | 1645 | 1780 | UVY1V472MHD |
| | 6800 | 18×40 | 0.24 | 7140 | 2380 | 2000 | UVY1V682MHD |

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

UVY

■ 尺寸表

| 额定电压 (V) (编码) | 额定静电容量 (μF) | 铝壳尺寸 $\phi\text{D}\times\text{L}$ (mm) | $\tan\delta$ | 漏损电流 (μA) | | 额定纹波电流 (mArms) (105°C/120Hz) | 品 号 |
|---------------------|-----------------------------|--|--------------|---------------------------|--------------|------------------------------------|-------------|
| | | | | 1分值/ 20°C | 2分值/ 20°C | | |
| 50 (1H) | 100 | 8×11.5 | 0.12 | 150 | 50 | 190 | UVY1H101MPD |
| | 220 | 10×12.5 | 0.12 | 330 | 110 | 300 | UVY1H221MPD |
| | 330 | 10×16 | 0.12 | 495 | 165 | 410 | UVY1H331MPD |
| | 470 | 10×20 | 0.12 | 705 | 235 | 540 | UVY1H471MPD |
| | 1000 | 12.5×25 | 0.12 | 1500 | 500 | 950 | UVY1H102MHD |
| | 2200 | 16×30.5 | 0.14 | 3300 | 1100 | 1410 | UVY1H222MHD |
| | 3300 | 18×35.5 | 0.16 | 4950 | 1650 | 1770 | UVY1H332MHD |
| 63 (1J) | 68 | 8×11.5 | 0.10 | 128.52 | 42.84 | 155 | UVY1J680MPD |
| | 100 | 8×11.5 | 0.10 | 189 | 63 | 200 | UVY1J101MPD |
| | 220 | 10×16 | 0.10 | 415.8 | 138.6 | 335 | UVY1J221MPD |
| | 330 | 10×20 | 0.10 | 623.7 | 207.9 | 510 | UVY1J331MPD |
| | 470 | 12.5×20 | 0.10 | 888.3 | 296.1 | 640 | UVY1J471MHD |
| | 1000 | 16×25 | 0.10 | 1890 | 630 | 930 | UVY1J102MHD |
| | 2200 | 18×35.5 | 0.12 | 4158 | 1386 | 1650 | UVY1J222MHD |
| 100 (2A) | 33 | 8×11.5 | 0.08 | 99 | 33 | 130 | UVY2A330MPD |
| | 47 | 8×11.5 | 0.08 | 141 | 47 | 140 | UVY2A470MPD |
| | 68 | 10×12.5 | 0.08 | 204 | 68 | 190 | UVY2A680MPD |
| | 100 | 10×16 | 0.08 | 300 | 100 | 240 | UVY2A101MPD |
| | 220 | 12.5×20 | 0.08 | 660 | 220 | 390 | UVY2A221MHD |
| | 330 | 12.5×25 | 0.08 | 990 | 330 | 540 | UVY2A331MHD |
| | 470 | 16×25 | 0.08 | 1410 | 470 | 715 | UVY2A471MHD |
| | 1000 | 18×35.5 | 0.08 | 3000 | 1000 | 960 | UVY2A102MHD |
| 160 (2C) | 10 | 8×11.5 | 0.20 | 164 | — | 41 | UVY2C100MPD |
| | 22 | 10×12.5 | 0.20 | 240.8 | — | 92 | UVY2C220MPD |
| | 33 | 10×16 | 0.20 | 311.2 | — | 125 | UVY2C330MPD |
| | 47 | 10×20 | 0.20 | 400.8 | — | 150 | UVY2C470MPD |
| | 68 | 12.5×20 | 0.20 | 535.2 | — | 250 | UVY2C680MHD |
| | 100 | 12.5×25 | 0.20 | 740 | — | 310 | UVY2C101MHD |
| | 220 | 16×30.5 | 0.20 | 1508 | — | 410 | UVY2C221MHD |
| | 330 | 18×35.5 | 0.20 | 2212 | — | 570 | UVY2C331MHD |
| | 470 | 18×40 | 0.20 | 3108 | — | 855 | UVY2C471MHD |
| 200 (2D) | 10 | 8×11.5 | 0.20 | 180 | — | 57 | UVY2D100MPD |
| | 22 | 10×16 | 0.20 | 276 | — | 105 | UVY2D220MPD |
| | 33 | 10×20 | 0.20 | 364 | — | 140 | UVY2D330MPD |
| | 47 | 12.5×20 | 0.20 | 476 | — | 195 | UVY2D470MHD |
| | 68 | 12.5×25 | 0.20 | 644 | — | 250 | UVY2D680MHD |
| | 100 | 16×25 | 0.20 | 900 | — | 320 | UVY2D101MHD |
| | 220 | 16×35.5 | 0.20 | 1860 | — | 500 | UVY2D221MHD |
| | 330 | 18×40 | 0.20 | 2740 | — | 675 | UVY2D331MHD |

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铝电解电容器 ALUMINUM ELECTROLYTIC CAPACITORS

UVY

■ 尺寸表

| 额定电压 (V) (编码) | 额定静容量 (μF) | 铝壳尺寸 $\phi\text{D}\times\text{L}$ (mm) | $\tan\delta$ | 漏损电流 (μA) | | 额定纹波电流 (mArms) (105°C/120Hz) | 品 号 |
|---------------------|----------------------------|--|--------------|---------------------------|--------------|------------------------------------|-------------|
| | | | | 1分值/ 20°C | 2分值/ 20°C | | |
| 250 (2E) | 10 | 10×12.5 | 0.20 | 200 | — | 71 | UVY2E100MPD |
| | 22 | 10×20 | 0.20 | 320 | — | 105 | UVY2E220MPD |
| | 33 | 10×20 | 0.20 | 430 | — | 140 | UVY2E330MPD |
| | 47 | 12.5×20 | 0.20 | 570 | — | 190 | UVY2E470MHD |
| | 68 | 16×25 | 0.20 | 780 | — | 270 | UVY2E680MHD |
| | 100 | 16×25 | 0.20 | 1100 | — | 310 | UVY2E101MHD |
| | 220 | 18×35.5 | 0.20 | 2300 | — | 485 | UVY2E221MHD |
| 350 (2V) | 3.3 | 8×11.5 | 0.25 | 146.2 | — | 30 | UVY2V3R3MPD |
| | 4.7 | 8×11.5 | 0.25 | 165.8 | — | 39 | UVY2V4R7MPD |
| | 10 | 10×12.5 | 0.25 | 240 | — | 64 | UVY2V100MPD |
| | 22 | 12.5×20 | 0.25 | 408 | — | 105 | UVY2V220MHD |
| | 33 | 12.5×25 | 0.25 | 562 | — | 170 | UVY2V330MHD |
| | 47 | 16×25 | 0.25 | 758 | — | 210 | UVY2V470MHD |
| | 68 | 16×25 | 0.25 | 1052 | — | 285 | UVY2V680MHD |
| 100 | 18×35.5 | 0.25 | 1500 | — | 370 | UVY2V101MHD | |
| 400 (2G) | 2.2 | 8×11.5 | 0.25 | 128 | — | 27 | UVY2G2R2MPD |
| | 3.3 | 8×11.5 | 0.25 | 152.8 | — | 34 | UVY2G3R3MPD |
| | 4.7 | 10×12.5 | 0.25 | 175.2 | — | 42 | UVY2G4R7MPD |
| | 10 | 10×16 | 0.25 | 260 | — | 64 | UVY2G100MPD |
| | 22 | 12.5×25 | 0.25 | 452 | — | 140 | UVY2G220MHD |
| | 33 | 16×25 | 0.25 | 628 | — | 170 | UVY2G330MHD |
| | 47 | 16×25 | 0.25 | 852 | — | 200 | UVY2G470MHD |
| | 68 | 16×30.5 | 0.25 | 1188 | — | 240 | UVY2G680MHD |
| | 100 | 18×35.5 | 0.25 | 1700 | — | 310 | UVY2G101MHD |
| 450 (2W) | 2.2 | 8×11.5 | 0.25 | 139 | — | 20 | UVY2W2R2MPD |
| | 3.3 | 10×12.5 | 0.25 | 159.4 | — | 28 | UVY2W3R3MPD |
| | 4.7 | 10×12.5 | 0.25 | 184.6 | — | 32 | UVY2W4R7MPD |
| | 10 | 10×20 | 0.25 | 280 | — | 56 | UVY2W100MPD |
| | 22 | 12.5×25 | 0.25 | 496 | — | 100 | UVY2W220MHD |
| | 33 | 16×25 | 0.25 | 694 | — | 125 | UVY2W330MHD |
| | 47 | 16×30.5 | 0.25 | 946 | — | 155 | UVY2W470MHD |
| | 68 | 18×35.5 | 0.25 | 1324 | — | 185 | UVY2W680MHD |
| | 100 | 18×40 | 0.25 | 1900 | — | 200 | UVY2W101MHD |

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• 引线加工、编带仕様、订货单位请参照铝电解电容器手册。