



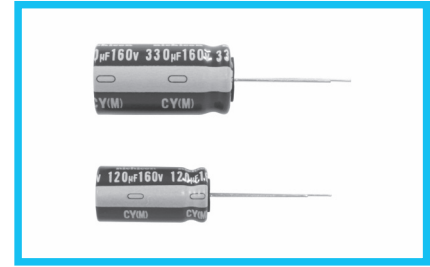
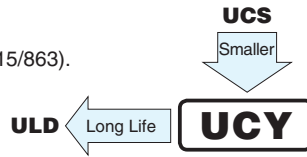
**THE DATASHEET OF  
UCY2C221MHD6**



**UCY** Miniature Sized, High Ripple Current, High Reliability



- High ripple current and Long Life product withstanding load life of 10000 to 12000 hours at +105°C.
- Suited for power supply and ballast application.
- Compliant to the RoHS directive (2011/65/EU, (EU) 2015/863).
- AEC-Q200 Qualified. Please contact us for details.

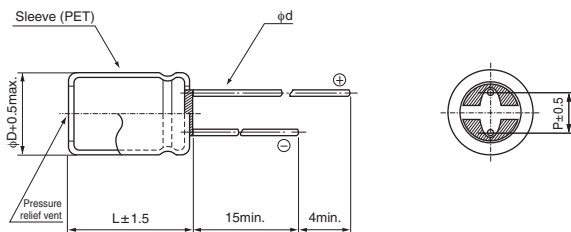


## Specifications

| Item                          | Performance Characteristics  |                     |      |      |      |      |      |                    |   |
|-------------------------------|--|---------------------|------|------|------|------|------|--------------------|---|
| Category Temperature Range    | -40 to +105°C  |                     |      |      |      |      |      |                    |   |
| Rated Voltage Range           | 160 to 500V  |                     |      |      |      |      |      |                    |   |
| Rated Capacitance Range       | 6.8 to 680µF   |                     |      |      |      |      |      |                    |   |
| Capacitance Tolerance         | ±20% at 120Hz, 20°C  |                     |      |      |      |      |      |                    |   |
| Leakage Current ※             | After 1 minute's application of rated voltage at 20°C, leakage current is not more than 0.04CV+100 (µA)  |                     |      |      |      |      |      |                    |   |
| Tangent of loss angle (tan δ) | Measurement frequency : 120Hz at 20°C  |                     |      |      |      |      |      |                    |   |
|                               | Rated voltage (V)  | 160                 | 200  | 250  | 350  | 400  | 420  | 450                | 500   |
|                               | tan δ (max.)   | 0.20                | 0.20 | 0.20 | 0.24 | 0.24 | 0.24 | 0.24               | 0.24  |
| Stability at Low Temperature  | Measurement frequency : 120Hz  |                     |      |      |      |      |      |                    |   |
|                               | Rated voltage (V)  | 160                 | 200  | 250  | 350  | 400  | 420  | 450                | 500   |
|                               | Impedance ratio (max.)   | Z(-25°C) / Z(+20°C) | 3    | 3    | 3    | 5    | 5    | 6                  | 6   |
| Endurance                     | The specifications listed at right shall be met when the capacitors are restored to 20°C after D.C. bias plus rated ripple current is applied for 12000 hours (10000 hours for 20L or less, 500V) at 105°C, the peak voltage shall not exceed the rated voltage. |                     |      |      |      |      |      | Capacitance change | Within ±20% of the initial capacitance value      |
|                               |  |                     |      |      |      |      |      | tan δ              | 200% or less than the initial specified value     |
| Shelf Life                    | After storing the capacitors under no load at 105°C for 1000 hours and then performing voltage treatment based on JIS C 5101-4 clause 4.1 at 20°C, they shall meet the specified values for the endurance characteristics listed above.                          |                     |      |      |      |      |      | Leakage current    | Less than or equal to the initial specified value |
|                               |  |                     |      |      |      |      |      |                    |   |
| Marking                       | Printed with white color letter on dark brown sleeve.  |                     |      |      |      |      |      |                    |   |

※ I : Leakage Current (µA), C : Rated Capacitance (µF), V : Rated Voltage (V)

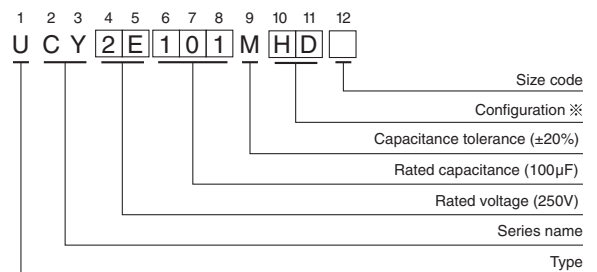
## Radial Lead Type



|    | (mm) |      |     |     |
|----|------|------|-----|-----|
| φD | 10   | 12.5 | 16  | 18  |
| P  | 5.0  | 5.0  | 7.5 | 7.5 |
| φd | 0.6  | 0.6  | 0.8 | 0.8 |

※ In case L > 25 for the φ12.5 dia. unit, lead dia. φd = 0.8mm.

## Type numbering system (Example : 250V 100µF)



※ Configuration

|            |  |
|------------|--|
| φ D        | Pb-free leadwire<br>Pb-free PET sleeve |
| 10         | PD                                     |
| 12.5 to 18 | HD                                     |

- Please refer to the Guidelines for Aluminum Electrolytic Capacitors for end seal configuration information.

## Frequency coefficient of rated ripple current

|             |      |       |      |       |                |
|-------------|------|-------|------|-------|----------------|
| Frequency   | 50Hz | 120Hz | 1kHz | 10kHz | 100kHz or more |
| Coefficient | 0.80 | 1.00  | 1.60 | 1.80  | 2.00           |

● Dimension table in next page.

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## ■ Dimensions

| Rated Voltage<br>(V)<br>(code) | Rated<br>Capacitance<br>( $\mu$ F) | Case Size<br>$\phi$ D×L (mm) | $\tan \delta$ | Leakage Current<br>( $\mu$ A)<br>(at 20°C after<br>1 minute) | Rated Ripple<br>(mArms)<br>(105°C/120Hz) | Part Number  |
|--------------------------------|------------------------------------|------------------------------|---------------|--|--|--------------|
| 160<br>(2C)                    | 33                                 | 10×16                        | 0.20          | 311.2  | 260                                      | UCY2C330MPD  |
|                                | 39                                 | 10×16                        | 0.20          | 349.6  | 295                                      | UCY2C390MPD  |
|                                | 47                                 | 10×20                        | 0.20          | 400.8  | 375                                      | UCY2C470MPD  |
|                                | 56                                 | 10×20                        | 0.20          | 458.4  | 380                                      | UCY2C560MPD  |
|                                | 68                                 | 10×25                        | 0.20          | 535.2  | 455                                      | UCY2C680MPD  |
|                                | 68                                 | 12.5×20                      | 0.20          | 535.2  | 590                                      | UCY2C680MHD3 |
|                                | 82                                 | 10×30.5                      | 0.20          | 624.8  | 534                                      | UCY2C820MPD  |
|                                | 82                                 | 10×25                        | 0.20          | 624.8  | 455                                      | UCY2C820MPD9 |
|                                | 82                                 | 12.5×20                      | 0.20          | 624.8  | 640                                      | UCY2C820MHD3 |
|                                | 100                                | 12.5×20                      | 0.20          | 740  | 645                                      | UCY2C101MHD  |
|                                | 120                                | 12.5×25                      | 0.20          | 868  | 760                                      | UCY2C121MHD  |
|                                | 150                                | 12.5×30.5                    | 0.20          | 1060   | 905                                      | UCY2C151MHD  |
|                                | 150                                | 12.5×25                      | 0.20          | 1060   | 760                                      | UCY2C151MHD9 |
|                                | 150                                | 16×20                        | 0.20          | 1060   | 945                                      | UCY2C151MHD3 |
|                                | 180                                | 16×20                        | 0.20          | 1252   | 1000                                     | UCY2C181MHD  |
|                                | 180                                | 12.5×30.5                    | 0.20          | 1252   | 905                                      | UCY2C181MHD9 |
|                                | 180                                | 12.5×35.5                    | 0.20          | 1252   | 1050                                     | UCY2C181MHD6 |
|                                | 220                                | 12.5×40                      | 0.20          | 1508   | 1200                                     | UCY2C221MHD  |
|                                | 220                                | 12.5×35.5                    | 0.20          | 1508   | 1050                                     | UCY2C221MHD9 |
|                                | 220                                | 16×25                        | 0.20          | 1508   | 1185                                     | UCY2C221MHD3 |
|                                | 220                                | 18×20                        | 0.20          | 1508   | 1105                                     | UCY2C221MHD6 |
|                                | 270                                | 18×25                        | 0.20          | 1828   | 1235                                     | UCY2C271MHD  |
|                                | 270                                | 12.5×40                      | 0.20          | 1828   | 1300                                     | UCY2C271MHD6 |
|                                | 330                                | 16×30.5                      | 0.20          | 2212   | 1510                                     | UCY2C331MHD  |
|                                | 330                                | 18×25                        | 0.20          | 2212   | 1445                                     | UCY2C331MHD6 |
|                                | 390                                | 16×40                        | 0.20          | 2596   | 1730                                     | UCY2C391MHD  |
|                                | 390                                | 16×35.5                      | 0.20          | 2596   | 1510                                     | UCY2C391MHD9 |
|                                | 390                                | 18×30.5                      | 0.20          | 2596   | 1695                                     | UCY2C391MHD6 |
| 470                            | 18×35.5                            | 0.20                         | 3108          | 1920   | UCY2C471MHD                              |              |
| 470                            | 16×40                              | 0.20                         | 3108          | 1730   | UCY2C471MHD6                             |              |
| 560                            | 18×40                              | 0.20                         | 3684          | 2130   | UCY2C561MHD                              |              |
| 680                            | 18×46                              | 0.20                         | 4452          | 2300   | UCY2C681MHD                              |              |
| 200<br>(2D)                    | 22                                 | 10×16                        | 0.20          | 276  | 225                                      | UCY2D220MPD  |
|                                | 27                                 | 10×16                        | 0.20          | 316  | 235                                      | UCY2D270MPD  |
|                                | 33                                 | 10×20                        | 0.20          | 364  | 305                                      | UCY2D330MPD  |
|                                | 39                                 | 10×20                        | 0.20          | 412  | 325                                      | UCY2D390MPD  |
|                                | 47                                 | 10×20                        | 0.20          | 476  | 360                                      | UCY2D470MPD  |
|                                | 47                                 | 12.5×20                      | 0.20          | 476  | 490                                      | UCY2D470MHD3 |
|                                | 56                                 | 10×25                        | 0.20          | 548  | 415                                      | UCY2D560MPD  |
|                                | 68                                 | 10×30.5                      | 0.20          | 644  | 485                                      | UCY2D680MPD  |
|                                | 68                                 | 12.5×20                      | 0.20          | 644  | 650                                      | UCY2D680MHD3 |
|                                | 82                                 | 12.5×25                      | 0.20          | 756  | 645                                      | UCY2D820MHD  |
|                                | 82                                 | 12.5×20                      | 0.20          | 756  | 645                                      | UCY2D820MHD9 |
|                                | 82                                 | 16×20                        | 0.20          | 756  | 690                                      | UCY2D820MHD3 |
|                                | 100                                | 12.5×25                      | 0.20          | 900  | 695                                      | UCY2D101MHD  |
|                                | 100                                | 16×20                        | 0.20          | 900  | 710                                      | UCY2D101MHD3 |

For cut leads, formed leads or taped parts, please add the appropriate code after the size code (12th digit).  
If there is no size code in the part number, please add size code "1" and then add the appropriate code.

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## ■ Dimensions

| Rated Voltage (V) (code) | Rated Capacitance (μF) | Case Size φD×L (mm) | tan δ | Leakage Current (μA) (at 20°C after 1 minute) | Rated Ripple (mArms) (105°C/120Hz) | Part Number  |
|--------------------------|------------------------|---------------------|-------|---|------------------------------------|--------------|
| 200 (2D)                 | 120                    | 16×20               | 0.20  | 1060  | 775                                | UCY2D121MHD  |
|                          | 120                    | 12.5×30.5           | 0.20  | 1060  | 810                                | UCY2D121MHD6 |
|                          | 150                    | 12.5×35.5           | 0.20  | 1300  | 965                                | UCY2D151MHD  |
|                          | 150                    | 16×25               | 0.20  | 1300  | 945                                | UCY2D151MHD3 |
|                          | 150                    | 18×20               | 0.20  | 1300  | 910                                | UCY2D151MHD6 |
|                          | 180                    | 12.5×40             | 0.20  | 1540  | 1090                               | UCY2D181MHD  |
|                          | 180                    | 16×25               | 0.20  | 1540  | 1035                               | UCY2D181MHD6 |
|                          | 180                    | 18×20               | 0.20  | 1540  | 910                                | UCY2D181MHD3 |
|                          | 220                    | 16×30.5             | 0.20  | 1860  | 1230                               | UCY2D221MHD  |
|                          | 220                    | 12.5×40             | 0.20  | 1860  | 1090                               | UCY2D221MHD6 |
|                          | 220                    | 18×25               | 0.20  | 1860  | 1185                               | UCY2D221MHD3 |
|                          | 270                    | 16×35.5             | 0.20  | 2260  | 1400                               | UCY2D271MHD  |
|                          | 270                    | 18×30.5             | 0.20  | 2260  | 1410                               | UCY2D271MHD6 |
|                          | 330                    | 16×40               | 0.20  | 2740  | 1595                               | UCY2D331MHD  |
|                          | 330                    | 18×30.5             | 0.20  | 2740  | 1560                               | UCY2D331MHD6 |
|                          | 390                    | 18×40               | 0.20  | 3220  | 1780                               | UCY2D391MHD  |
|                          | 390                    | 18×35.5             | 0.20  | 3220  | 1690                               | UCY2D391MHD9 |
|                          | 470                    | 18×40               | 0.20  | 3860  | 1850                               | UCY2D471MHD  |
|                          | 470                    | 18×46               | 0.20  | 3860  | 1900                               | UCY2D471MHD6 |
| 250 (2E)                 | 22                     | 10×16               | 0.20  | 320   | 225                                | UCY2E220MPD  |
|                          | 27                     | 10×20               | 0.20  | 370   | 255                                | UCY2E270MPD  |
|                          | 33                     | 10×20               | 0.20  | 430   | 305                                | UCY2E330MPD  |
|                          | 33                     | 12.5×20             | 0.20  | 430   | 400                                | UCY2E330MHD3 |
|                          | 39                     | 10×25               | 0.20  | 490   | 345                                | UCY2E390MPD  |
|                          | 47                     | 10×30.5             | 0.20  | 570   | 405                                | UCY2E470MPD  |
|                          | 47                     | 10×25               | 0.20  | 570   | 345                                | UCY2E470MPD9 |
|                          | 47                     | 12.5×20             | 0.20  | 570   | 490                                | UCY2E470MHD3 |
|                          | 56                     | 12.5×20             | 0.20  | 660   | 515                                | UCY2E560MHD  |
|                          | 68                     | 12.5×25             | 0.20  | 780   | 615                                | UCY2E680MHD  |
|                          | 68                     | 16×20               | 0.20  | 780   | 650                                | UCY2E680MHD3 |
|                          | 82                     | 12.5×30.5           | 0.20  | 920   | 715                                | UCY2E820MHD  |
|                          | 82                     | 12.5×25             | 0.20  | 920   | 615                                | UCY2E820MHD9 |
|                          | 82                     | 16×20               | 0.20  | 920   | 690                                | UCY2E820MHD3 |
|                          | 100                    | 16×20               | 0.20  | 1100  | 715                                | UCY2E101MHD  |
|                          | 100                    | 12.5×35.5           | 0.20  | 1100  | 785                                | UCY2E101MHD6 |
|                          | 120                    | 16×25               | 0.20  | 1300  | 845                                | UCY2E121MHD  |
|                          | 120                    | 12.5×35.5           | 0.20  | 1300  | 785                                | UCY2E121MHD9 |
|                          | 120                    | 12.5×40             | 0.20  | 1300  | 890                                | UCY2E121MHD3 |
|                          | 120                    | 18×20               | 0.20  | 1300  | 815                                | UCY2E121MHD6 |
|                          | 150                    | 18×25               | 0.20  | 1600  | 970                                | UCY2E151MHD  |
|                          | 150                    | 12.5×40             | 0.20  | 1600  | 990                                | UCY2E151MHD6 |
|                          | 180                    | 16×30.5             | 0.20  | 1900  | 1110                               | UCY2E181MHD  |
|                          | 180                    | 18×25               | 0.20  | 1900  | 1050                               | UCY2E181MHD6 |
|                          | 220                    | 16×40               | 0.20  | 2300  | 1295                               | UCY2E221MHD  |
|                          | 220                    | 16×35.5             | 0.20  | 2300  | 1220                               | UCY2E221MHD9 |
|                          | 220                    | 18×30.5             | 0.20  | 2300  | 1160                               | UCY2E221MHD3 |

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## ■ Dimensions

| Rated Voltage (V) (code) | Rated Capacitance (μF) | Case Size φD×L (mm) | tan δ | Leakage Current (μA) (at 20°C after 1 minute) | Rated Ripple (mArms) (105°C/120Hz) | Part Number  |
|--------------------------|------------------------|---------------------|-------|---|------------------------------------|--------------|
| 250 (2E)                 | 270                    | 18×35.5             | 0.20  | 2800  | 1450                               | UCY2E271MHD  |
|                          | 270                    | 16×40               | 0.20  | 2800  | 1350                               | UCY2E271MHD6 |
|                          | 330                    | 18×46               | 0.20  | 3400  | 1600                               | UCY2E331MHD  |
|                          | 330                    | 18×40               | 0.20  | 3400  | 1530                               | UCY2E331MHD9 |
| 350 (2V)                 | 12                     | 10×16               | 0.24  | 268   | 160                                | UCY2V120MPD  |
|                          | 15                     | 10×20               | 0.24  | 310   | 180                                | UCY2V150MPD  |
|                          | 18                     | 10×20               | 0.24  | 352   | 215                                | UCY2V180MPD  |
|                          | 22                     | 10×25               | 0.24  | 408   | 255                                | UCY2V220MPD  |
|                          | 22                     | 10×20               | 0.24  | 408   | 215                                | UCY2V220MPD9 |
|                          | 22                     | 12.5×20             | 0.24  | 408   | 325                                | UCY2V220MHD3 |
|                          | 27                     | 10×30.5             | 0.24  | 478   | 305                                | UCY2V270MPD  |
|                          | 27                     | 10×25               | 0.24  | 478   | 255                                | UCY2V270MPD9 |
|                          | 33                     | 12.5×20             | 0.24  | 562   | 380                                | UCY2V330MHD  |
|                          | 33                     | 16×20               | 0.24  | 562   | 450                                | UCY2V330MHD3 |
|                          | 39                     | 12.5×25             | 0.24  | 646   | 455                                | UCY2V390MHD  |
|                          | 47                     | 12.5×25             | 0.24  | 758   | 510                                | UCY2V470MHD  |
|                          | 47                     | 16×20               | 0.24  | 758   | 540                                | UCY2V470MHD3 |
|                          | 56                     | 12.5×30.5           | 0.24  | 884   | 590                                | UCY2V560MHD  |
|                          | 56                     | 16×20               | 0.24  | 884   | 565                                | UCY2V560MHD6 |
|                          | 68                     | 12.5×35.5           | 0.24  | 1052  | 695                                | UCY2V680MHD  |
|                          | 68                     | 16×25               | 0.24  | 1052  | 700                                | UCY2V680MHD3 |
|                          | 68                     | 18×20               | 0.24  | 1052  | 690                                | UCY2V680MHD6 |
|                          | 82                     | 16×30.5             | 0.24  | 1248  | 740                                | UCY2V820MHD  |
|                          | 82                     | 12.5×40             | 0.24  | 1248  | 785                                | UCY2V820MHD6 |
|                          | 82                     | 16×25               | 0.24  | 1248  | 700                                | UCY2V820MHD9 |
|                          | 82                     | 18×25               | 0.24  | 1248  | 765                                | UCY2V820MHD3 |
|                          | 100                    | 16×30.5             | 0.24  | 1500  | 825                                | UCY2V101MHD  |
|                          | 100                    | 18×25               | 0.24  | 1500  | 790                                | UCY2V101MHD3 |
|                          | 120                    | 16×35.5             | 0.24  | 1780  | 925                                | UCY2V121MHD  |
|                          | 120                    | 18×30.5             | 0.24  | 1780  | 940                                | UCY2V121MHD6 |
|                          | 150                    | 18×35.5             | 0.24  | 2200  | 1080                               | UCY2V151MHD  |
|                          | 150                    | 16×40               | 0.24  | 2200  | 1000                               | UCY2V151MHD6 |
| 180                      | 18×40                  | 0.24                | 2620  | 1205  | UCY2V181MHD                        |              |
| 220                      | 18×46                  | 0.24                | 3180  | 1300  | UCY2V221MHD                        |              |
| 400 (2G)                 | 6.8                    | 10×16               | 0.24  | 208.8   | 140                                | UCY2G6R8MPD  |
|                          | 10                     | 10×16               | 0.24  | 260   | 150                                | UCY2G100MPD  |
|                          | 12                     | 10×20               | 0.24  | 292   | 175                                | UCY2G120MPD  |
|                          | 15                     | 10×20               | 0.24  | 340   | 180                                | UCY2G150MPD  |
|                          | 18                     | 10×25               | 0.24  | 388   | 235                                | UCY2G180MPD  |
|                          | 22                     | 10×30.5             | 0.24  | 452   | 275                                | UCY2G220MPD  |
|                          | 27                     | 12.5×20             | 0.24  | 532   | 360                                | UCY2G270MHD  |
|                          | 33                     | 12.5×25             | 0.24  | 628   | 385                                | UCY2G330MHD  |
|                          | 33                     | 16×20               | 0.24  | 628   | 450                                | UCY2G330MHD3 |
|                          | 39                     | 12.5×30.5           | 0.24  | 724   | 465                                | UCY2G390MHD  |
|                          | 39                     | 12.5×25             | 0.24  | 724   | 385                                | UCY2G390MHD9 |
|                          | 47                     | 16×20               | 0.24  | 852   | 520                                | UCY2G470MHD  |

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## ■ Dimensions

| Rated Voltage (V) (code) | Rated Capacitance (μF) | Case Size φD×L (mm) | tan δ | Leakage Current (μA) (at 20°C after 1 minute) | Rated Ripple (mArms) (105°C/120Hz) | Part Number  |
|--------------------------|------------------------|---------------------|-------|---|------------------------------------|--------------|
| 400 (2G)                 | 47                     | 12.5×30.5           | 0.24  | 852   | 510                                | UCY2G470MHD6 |
|                          | 47                     | 18×20               | 0.24  | 852   | 590                                | UCY2G470MHD3 |
|                          | 56                     | 12.5×35.5           | 0.24  | 996   | 630                                | UCY2G560MHD  |
|                          | 56                     | 16×25               | 0.24  | 996   | 585                                | UCY2G560MHD6 |
|                          | 56                     | 18×20               | 0.24  | 996   | 600                                | UCY2G560MHD3 |
|                          | 68                     | 12.5×40             | 0.24  | 1188  | 720                                | UCY2G680MHD  |
|                          | 68                     | 16×25               | 0.24  | 1188  | 640                                | UCY2G680MHD9 |
|                          | 68                     | 18×25               | 0.24  | 1188  | 735                                | UCY2G680MHD3 |
|                          | 82                     | 16×30.5             | 0.24  | 1412  | 805                                | UCY2G820MHD  |
|                          | 82                     | 18×25               | 0.24  | 1412  | 765                                | UCY2G820MHD3 |
|                          | 100                    | 16×35.5             | 0.24  | 1700  | 850                                | UCY2G101MHD  |
|                          | 100                    | 18×30.5             | 0.24  | 1700  | 875                                | UCY2G101MHD6 |
|                          | 120                    | 18×30.5             | 0.24  | 2020  | 940                                | UCY2G121MHD  |
|                          | 120                    | 16×40               | 0.24  | 2020  | 950                                | UCY2G121MHD6 |
|                          | 120                    | 18×35.5             | 0.24  | 2020  | 960                                | UCY2G121MHD3 |
|                          | 150                    | 18×40               | 0.24  | 2500  | 1030                               | UCY2G151MHD  |
| 180                      | 18×46                  | 0.24                | 2980  | 1110  | UCY2G181MHD                        |              |
| 420 (W6)                 | 6.8                    | 10×16               | 0.24  | 214.24  | 105                                | UCYW66R8MPD  |
|                          | 10                     | 10×20               | 0.24  | 268   | 135                                | UCYW6100MPD  |
|                          | 12                     | 10×20               | 0.24  | 301.6   | 150                                | UCYW6120MPD  |
|                          | 15                     | 10×25               | 0.24  | 352   | 185                                | UCYW6150MPD  |
|                          | 18                     | 10×30.5             | 0.24  | 402.4   | 215                                | UCYW6180MPD  |
|                          | 22                     | 12.5×20             | 0.24  | 469.6   | 285                                | UCYW6220MHD  |
|                          | 27                     | 12.5×25             | 0.24  | 553.6   | 340                                | UCYW6270MHD  |
|                          | 33                     | 12.5×30.5           | 0.24  | 654.4   | 400                                | UCYW6330MHD  |
|                          | 33                     | 16×20               | 0.24  | 654.4   | 385                                | UCYW6330MHD3 |
|                          | 39                     | 12.5×30.5           | 0.24  | 755.2   | 430                                | UCYW6390MHD  |
|                          | 47                     | 12.5×35.5           | 0.24  | 889.6   | 505                                | UCYW6470MHD  |
|                          | 47                     | 16×25               | 0.24  | 889.6   | 500                                | UCYW6470MHD6 |
|                          | 47                     | 18×20               | 0.24  | 889.6   | 480                                | UCYW6470MHD3 |
|                          | 56                     | 12.5×40             | 0.24  | 1040.8  | 570                                | UCYW6560MHD  |
|                          | 68                     | 16×30.5             | 0.24  | 1242.4  | 645                                | UCYW6680MHD  |
|                          | 68                     | 18×25               | 0.24  | 1242.4  | 615                                | UCYW6680MHD3 |
|                          | 82                     | 16×35.5             | 0.24  | 1477.6  | 725                                | UCYW6820MHD  |
|                          | 82                     | 18×30.5             | 0.24  | 1477.6  | 730                                | UCYW6820MHD6 |
|                          | 100                    | 16×40               | 0.24  | 1780  | 825                                | UCYW6101MHD  |
|                          | 100                    | 18×35.5             | 0.24  | 1780  | 835                                | UCYW6101MHD6 |
| 120                      | 18×40                  | 0.24                | 2116  | 930   | UCYW6121MHD                        |              |
| 120                      | 18×46                  | 0.24                | 2116  | 945   | UCYW6121MHD6                       |              |
| 450 (2W)                 | 6.8                    | 10×16               | 0.24  | 222.4   | 105                                | UCY2W6R8MPD  |
|                          | 10                     | 10×20               | 0.24  | 280   | 135                                | UCY2W100MPD  |
|                          | 12                     | 10×20               | 0.24  | 316   | 150                                | UCY2W120MPD  |
|                          | 15                     | 10×25               | 0.24  | 370   | 185                                | UCY2W150MPD  |
|                          | 18                     | 10×30.5             | 0.24  | 424   | 215                                | UCY2W180MPD  |
|                          | 18                     | 12.5×20             | 0.24  | 424   | 255                                | UCY2W180MHD6 |
|                          | 22                     | 12.5×25             | 0.24  | 496   | 300                                | UCY2W220MHD  |

For cut leads, formed leads or taped parts, please add the appropriate code after the size code (12th digit).

If there is no size code in the part number, please add size code "1" and then add the appropriate code.

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## ■ Dimensions

| Rated Voltage (V) (code) | Rated Capacitance (μF) | Case Size φD×L (mm) | tan δ | Leakage Current (μA) (at 20°C after 1 minute) | Rated Ripple (mArms) (105°C/120Hz) | Part Number  |
|--------------------------|------------------------|---------------------|-------|---|------------------------------------|--------------|
| 450 (2W)                 | 27                     | 12.5×25             | 0.24  | 586   | 340                                | UCY2W270MHD  |
|                          | 33                     | 12.5×30.5           | 0.24  | 694   | 400                                | UCY2W330MHD  |
|                          | 33                     | 16×20               | 0.24  | 694   | 385                                | UCY2W330MHD3 |
|                          | 39                     | 12.5×35.5           | 0.24  | 802   | 460                                | UCY2W390MHD  |
|                          | 39                     | 18×20               | 0.24  | 802   | 440                                | UCY2W390MHD3 |
|                          | 47                     | 12.5×40             | 0.24  | 946   | 525                                | UCY2W470MHD  |
|                          | 47                     | 16×25               | 0.24  | 946   | 500                                | UCY2W470MHD6 |
|                          | 56                     | 16×30.5             | 0.24  | 1108  | 585                                | UCY2W560MHD  |
|                          | 56                     | 18×25               | 0.24  | 1108  | 560                                | UCY2W560MHD3 |
|                          | 68                     | 16×35.5             | 0.24  | 1324  | 660                                | UCY2W680MHD  |
|                          | 82                     | 16×40               | 0.24  | 1576  | 750                                | UCY2W820MHD  |
|                          | 82                     | 18×30.5             | 0.24  | 1576  | 730                                | UCY2W820MHD6 |
|                          | 100                    | 18×35.5             | 0.24  | 1900  | 835                                | UCY2W101MHD  |
|                          | 120                    | 18×40               | 0.24  | 2260  | 930                                | UCY2W121MHD  |
| 120                      | 18×46                  | 0.24                | 2260  | 945   | UCY2W121MHD6                       |              |
| 500 (2H)                 | 10                     | 12.5×20             | 0.24  | 300   | 160                                | UCY2H100MHD  |
|                          | 15                     | 12.5×25             | 0.24  | 400   | 220                                | UCY2H150MHD  |
|                          | 15                     | 16×20               | 0.24  | 400   | 220                                | UCY2H150MHD3 |
|                          | 18                     | 12.5×30.5           | 0.24  | 460   | 240                                | UCY2H180MHD  |
|                          | 18                     | 16×20               | 0.24  | 460   | 240                                | UCY2H180MHD3 |
|                          | 22                     | 12.5×35.5           | 0.24  | 540   | 280                                | UCY2H220MHD  |
|                          | 22                     | 16×25               | 0.24  | 540   | 280                                | UCY2H220MHD6 |
|                          | 22                     | 18×20               | 0.24  | 540   | 280                                | UCY2H220MHD3 |
|                          | 27                     | 12.5×40             | 0.24  | 640   | 310                                | UCY2H270MHD  |
|                          | 27                     | 16×25               | 0.24  | 640   | 310                                | UCY2H270MHD6 |
|                          | 33                     | 16×30.5             | 0.24  | 760   | 350                                | UCY2H330MHD  |
|                          | 33                     | 18×25               | 0.24  | 760   | 350                                | UCY2H330MHD3 |
|                          | 39                     | 16×35.5             | 0.24  | 880   | 380                                | UCY2H390MHD  |
|                          | 47                     | 16×40               | 0.24  | 1040  | 440                                | UCY2H470MHD  |
|                          | 47                     | 18×30.5             | 0.24  | 1040  | 440                                | UCY2H470MHD6 |
|                          | 56                     | 18×35.5             | 0.24  | 1220  | 480                                | UCY2H560MHD  |
| 68                       | 18×40                  | 0.24                | 1460  | 525   | UCY2H680MHD                        |              |

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- For formed lead or taped product specifications and minimum order quantity, please refer to the Guidelines for Aluminum Electrolytic Capacitors.







## Looking for pricing, stock, or lifecycle information?

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