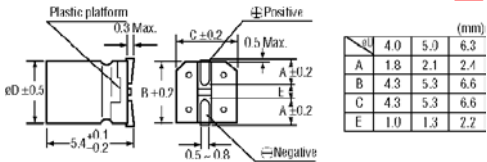


## UWX Series — Aluminum Electrolytic Capacitors



- ▶ Chip Type with 5.5 mm Height
- ▶ Designed for Surface Mounting on High Density PC Board
- ▶ Applicable to Automatic Mounting Machine Using Carrier Tape
- ▶ Load Life of 2000 Hours at 85°C
- ▶ Operating Temperature Range: -40 ~ +85°C
- ▶ Capacitance Tolerance: ±20% at 120 Hz, 20°C

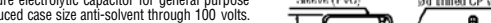
| Stock No. | Mfr.'s Type*  | Volt | Cap.  | Case Size D x L | EACH*   |         |         |
|-----------|---------------|------|-------|-----------------|---------|---------|---------|
|           |               |      |       |                 | 100-400 | 500-900 | 1000-Up |
| 859-3000  | UWX0J101MCR1G | 6.3  | 100.0 | 6.3 x 5.4       | .47     | .41     | .37     |
| 859-3005  | UWX1C100MCR1G | 16.0 | 10.0  | 4.0 x 5.4       | .40     | .36     | .32     |
| 859-3010  | UWX1C220MCR1G | 16.0 | 22.0  | 5.0 x 5.4       | .44     | .39     | .35     |
| 859-3015  | UWX1C470MCR1G | 16.0 | 47.0  | 6.3 x 5.4       | .47     | .41     | .37     |
| 859-3020  | UWX1C101MCR1G | 16.0 | 100.0 | 6.3 x 5.4       | .47     | .41     | .37     |
| 859-3025  | UWX1E47MCR1G  | 25.0 | 5.7   | 4.0 x 5.4       | .44     | .36     | .32     |
| 859-3030  | UWX1E100MCR1G | 25.0 | 10.0  | 5.0 x 5.4       | .44     | .39     | .35     |
| 859-3035  | UWX1E220MCR1G | 25.0 | 22.0  | 6.3 x 5.4       | .47     | .41     | .37     |
| 859-3040  | UWX1E330MCR1G | 25.0 | 33.0  | 6.3 x 5.4       | .47     | .41     | .37     |
| 859-3045  | UWX1V100MCR1G | 35.0 | 10.0  | 5.0 x 5.4       | .44     | .39     | .35     |
| 859-3050  | UWX1V220MCR1G | 35.0 | 22.0  | 6.3 x 5.4       | .47     | .41     | .37     |
| 859-3055  | UWX1H010MCR1G | 50.0 | 1.0   | 4.0 x 5.4       | .40     | .36     | .32     |
| 859-3060  | UWX1H2R2MCR1G | 50.0 | 2.2   | 4.0 x 5.4       | .40     | .36     | .32     |
| 859-3065  | UWX1H4R7MCR1G | 50.0 | 4.7   | 5.0 x 5.4       | .44     | .39     | .35     |
| 859-3070  | UWX1H100MCR1G | 50.0 | 10.0  | 6.3 x 5.4       | .47     | .41     | .37     |

\*Sold in strips of 100 pieces.

## UVR Series Radial Capacitors

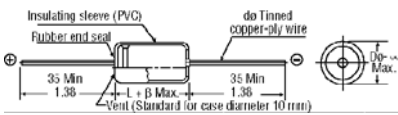
UVR miniature electrolytic capacitor for general purpose features reduced case size anti-solvent through 100 volts. The VR series is most suitable for electronic equipment where a smaller case size is required. The small case size makes it ideal for use with high speed automatic insertion equipment. Load life of 2000 hours at 85°C. Units with Ø 6.3 mm or more are provided with our unique safety case vent.

**Capacitance Tolerance:** ±20% at 120 Hz, 20°C.  
**Operating Temperature Range:** -40° approximately +85°C.



The diagram shows a side view and an end view of the capacitor. The side view labels include: 'Sleeve on (PVC)' at the top, 'Ø 1.1 ± .01' for the main body diameter, 'Safety Vent (Ø6.3 up)' for the vent diameter, 'L + Max.' for the total length, '15 max.' for the lead length, and '4 max.' for the lead diameter. The end view shows a circular face with 'Ø 6.3 ± .01' for the outer diameter and 'P ± 0.1' for the lead pitch.

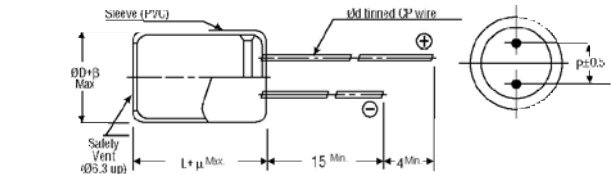
| Stock No. | Mfr.'s Type  | WVDC | μF   | Case Size mm (D × L) | EACH |         |         |         |
|-----------|--------------|------|------|----------------------|------|---------|---------|---------|
|           |              |      |      |                      | 1-99 | 100-499 | 500-999 | 1000-Up |
| 859-2012  | UVRQJ471MPA  | 6.3  | 470  | 6.3 × 11             | .45  | .24     | .18     | .15     |
| 859-2014  | UVRQJ1022MPA | 6.3  | 1000 | 8 × 11.5             | .51  | .35     | .29     | .23     |
| 859-2016  | UVRQJ222MHMA | 6.3  | 2200 | 10 × 20              | .71  | .49     | .40     | .32     |
| 859-2022  | UVR1C1000MDA | 16.0 | 10   | 5 × 11               | .19  | .10     | .08     | .06     |
| 859-2080  | UVR1C470MDA  | 16.0 | .47  | 5 × 11               | .27  | .16     | .11     | .08     |
| 859-2082  | UVR1C101MDA  | 16.0 | 100  | 5 × 11               | .35  | .20     | .15     | .10     |
| 859-2084  | UVR1C222MDA  | 16.0 | 220  | 5 × 11               | .47  | .26     | .18     | .15     |
| 859-2088  | UVR1C471MDA  | 16.0 | 470  | 8 × 11.5             | .68  | .36     | .28     | .21     |
| 859-2090  | UVR1C1022MPA | 16.0 | 1000 | 10 × 16              | .72  | .49     | .39     | .32     |
| 859-2094  | UVR1C332MHMA | 16.0 | 3300 | 12.5 × 25            | 1.72 | 1.16    | .94     | .77     |



## TVX Series Axial Capacitors

TVX Compact Series miniature aluminum electrolytic capacitors provide higher component density in solid-state circuitry. Features further miniaturization of both body type aluminum electrolytic lines. **Capacitance:**

| Stock No. | Mfr.'s Type | WVDC | μF    | Case Size mm (D × L) | EACH |         |         |         |
|-----------|-------------|------|-------|----------------------|------|---------|---------|---------|
|           |             |      |       |                      | 1-99 | 100-499 | 500-999 | 1000-Up |
| 859-0119  | TVX1C330MAA | 16   | 33    | 5 × 12               | .58  | .32     | .24     | .17     |
| 859-0120  | TVX1C470MAA | 16   | 47    | 5 × 12               | .89  | .52     | .36     | .27     |
| 859-0122  | TVX1C101MAA | 16   | 100   | 6.3 × 16             | 1.03 | .61     | .41     | .33     |
| 859-0124  | TVX1C221MAA | 16   | 220   | 8 × 16               | .56  | .40     | .30     | .24     |
| 859-0126  | TVX1C471MAA | 16   | 470   | 8 × 20               | .66  | .47     | .34     | .29     |
| 859-0128  | TVX1C102MCA | 16   | 1000  | 10 × 26              | 1.58 | 1.11    | .85     | .69     |
| 859-0130  | TVX1C222MCA | 16   | 2200  | 16 × 31.5            | 1.71 | 1.16    | .89     | .71     |
| 859-0132  | TVX1C272MCA | 16   | 4700  | 16 × 41.5            | 3.55 | 2.42    | 1.78    | 1.45    |
| 859-0134  | TVX1C103MAA | 16   | 10000 | 10 × 40              | 7.48 | 5.34    | 4.12    | 3.37    |
| 859-0136  | TVX1E100MAA | 25   | 10    | 5 × 12               | .72  | .42     | .33     | .20     |
| 859-0138  | TVX1E220MAA | 25   | 22    | 5 × 12               | .78  | .43     | .30     | .26     |
| 859-0140  | TVX1E470MAA | 25   | 47    | 6.3 × 12             | .92  | .52     | .36     | .27     |
| 859-0142  | TVX1E101MAA | 25   | 100   | 6.3 × 12             | .47  | .36     | .24     | .22     |
| 859-0144  | TVX1E221MAA | 25   | 220   | 8 × 16               | .78  | .56     | .40     | .32     |
| 859-0146  | TVX1E471MAA | 25   | 470   | 10 × 26              | 1.33 | .95     | .70     | .58     |
| 859-0148  | TVX1E102MCA | 25   | 1000  | 13 × 26              | 2.19 | 1.50    | 1.08    | .92     |
| 859-0150  | TVX1E222MCA | 25   | 2200  | 16 × 31.5            | 3.01 | 2.04    | 1.49    | 1.22    |



| Stock No. | Mfr.'s Type    | WVDC | µF  | Case Size<br>mm (D x L) | EACH |         |         |         |
|-----------|----------------|------|-----|-------------------------|------|---------|---------|---------|
|           |                |      |     |                         | 1-99 | 100-499 | 500-999 | 1000-Up |
| 859-1004  | UKL1C100MDAANA | 16   | 10  | 5 x 11                  | .42  | .26     | .17     | .13     |
| 859-1014  | UKL1E10MDAANA  | 25   | 4.5 | 5 x 11                  | .24  | .24     | .17     | .13     |
| 859-1016  | UKL1E10MDAANA  | 25   | 10  | 5 x 11                  | .43  | .26     | .17     | .12     |
| 859-1022  | UKL1E101MPAANA | 25   | 100 | 8 x 11.5                | .45  | .31     | .23     | .20     |
| 859-1030  | UKL1V101MPAANA | 35   | 100 | 11 x 12.5               | .51  | .37     | .25     | .22     |

## UKL Series Radial Capacitors

UKL low leakage current electrolytic capacitor has anti-solvent feature and small size. The UKL series will exhibit only a slight increase in leakage current when subjected to no load at high temperature or shelved for long periods of time at normal temperature. Standard units have capacitance tolerance of  $\pm 20\%$  at 120 Hz 20°C. The Nichicon safety vent is standard on capacitors with diameters  $\geq 6.3$  mm. **Operating Temperature Range:**  $-40^{\circ}\text{C}$  to approximately  $+105^{\circ}\text{C}$ . **Leakage Current:** After one minute of application at rated voltage, leakage current will be no more than 0.002 CV or 0.2  $\mu\text{A}$ , whichever is greater. Other values, tolerances and voltages available as custom orders. Call for pricing and delivery. Manufacturer's literature available upon request.

[illegible]