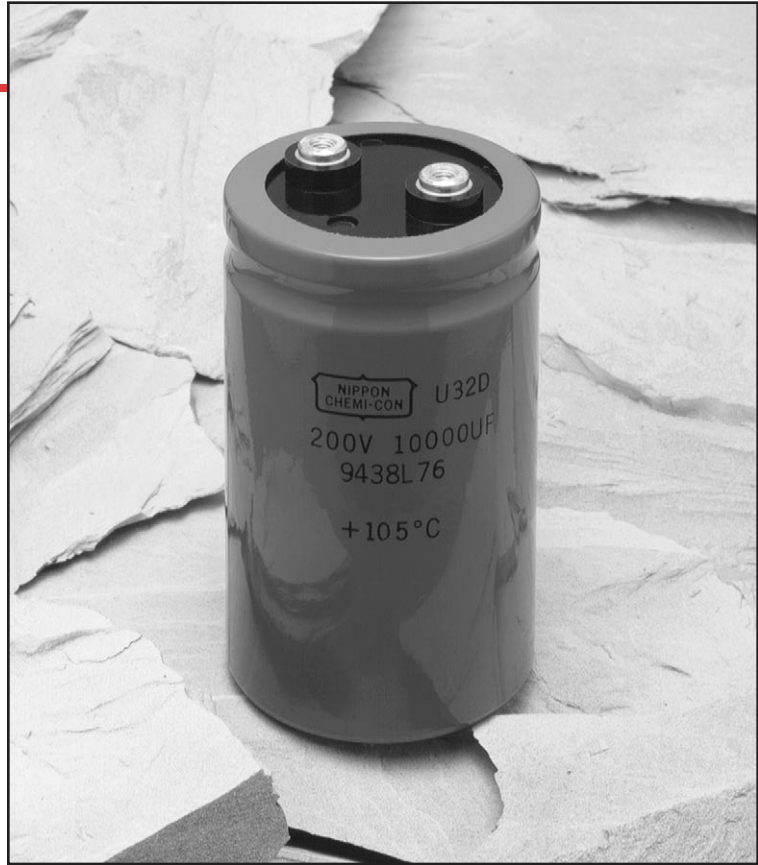


# U32D Series



- Large Can
- Screw Terminal
- High Ripple Current Capability
- Extended Temperature Range to +105°C
- Dimensions in Inches



The U32D series allows for extremely high ripple currents for applications such as inverter designs and motor controllers. The extended temperature range allows for a high operating temperature without sacrificing life. All dimensions are based on the original 36D case sizes which are in inches. A stud mount can is available upon request.

## Summary of Specifications

- Screw terminals, high, low, English and Metric; stud mount also available.
- Capacitance range: 180 $\mu$ F to 2.2F.
- Voltage range: 6.3 to 400VDC.
- Operating temperature range: -40°C to +105°C.
- Leakage current: 0.02CV( $\mu$ A) or 5mA, whichever is smaller, after 5 minutes at +25°C.
- Standard capacitance tolerance:  $\pm 20\%$
- Nominal case diameter: 1.375" to 3.500"; length: 1.625" to 8.625"
- Rated lifetime: 2,000 hours at +105°C with rated ripple current applied.

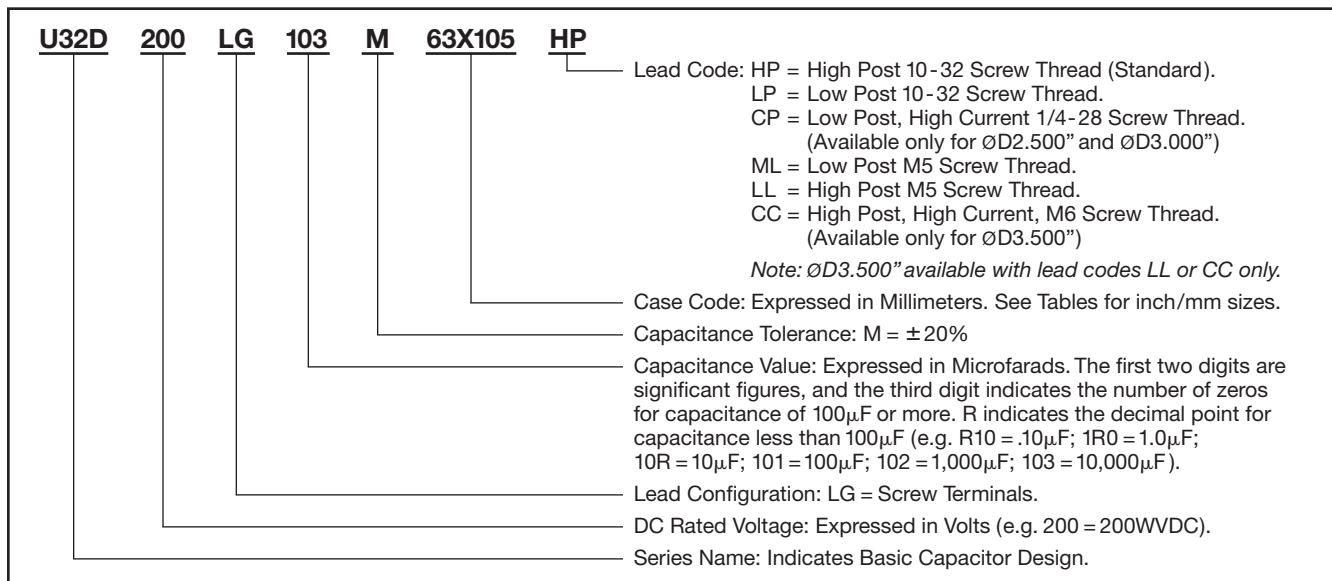
# U32D Series

## U32D Specifications

| Item  | Characteristics   |         |        |       |        |       |       |      |      |                  |               |      |       |       |      |       |       |         |         |      |      |      |      |      |      |     |      |      |      |      |      |      |        |         |      |      |      |      |      |      |     |      |      |      |      |      |      |      |     |      |      |      |      |      |      |         |      |      |      |      |      |      |          |     |      |      |      |      |      |      |         |      |      |      |      |      |      |     |      |      |      |      |      |      |          |         |      |      |      |      |      |      |
|---|---|---------|--------|-------|--------|-------|-------|------|------|------------------|---------------|------|-------|-------|------|-------|-------|---------|---------|------|------|------|------|------|------|-----|------|------|------|------|------|------|--------|---------|------|------|------|------|------|------|-----|------|------|------|------|------|------|------|-----|------|------|------|------|------|------|---------|------|------|------|------|------|------|----------|-----|------|------|------|------|------|------|---------|------|------|------|------|------|------|-----|------|------|------|------|------|------|----------|---------|------|------|------|------|------|------|
| Operating Temperature Range   | -40 to +105°C   |         |        |       |        |       |       |      |      |                  |               |      |       |       |      |       |       |         |         |      |      |      |      |      |      |     |      |      |      |      |      |      |        |         |      |      |      |      |      |      |     |      |      |      |      |      |      |      |     |      |      |      |      |      |      |         |      |      |      |      |      |      |          |     |      |      |      |      |      |      |         |      |      |      |      |      |      |     |      |      |      |      |      |      |          |         |      |      |      |      |      |      |
| Rated Voltage Range   | 6.3 to 400VDC   |         |        |       |        |       |       |      |      |                  |               |      |       |       |      |       |       |         |         |      |      |      |      |      |      |     |      |      |      |      |      |      |        |         |      |      |      |      |      |      |     |      |      |      |      |      |      |      |     |      |      |      |      |      |      |         |      |      |      |      |      |      |          |     |      |      |      |      |      |      |         |      |      |      |      |      |      |     |      |      |      |      |      |      |          |         |      |      |      |      |      |      |
| Capacitance Range   | 180μF to 2.2F at +25°C, 120Hz   |         |        |       |        |       |       |      |      |                  |               |      |       |       |      |       |       |         |         |      |      |      |      |      |      |     |      |      |      |      |      |      |        |         |      |      |      |      |      |      |     |      |      |      |      |      |      |      |     |      |      |      |      |      |      |         |      |      |      |      |      |      |          |     |      |      |      |      |      |      |         |      |      |      |      |      |      |     |      |      |      |      |      |      |          |         |      |      |      |      |      |      |
| Capacitance Tolerance   | ±20% (M) at +25°C, 120Hz  |         |        |       |        |       |       |      |      |                  |               |      |       |       |      |       |       |         |         |      |      |      |      |      |      |     |      |      |      |      |      |      |        |         |      |      |      |      |      |      |     |      |      |      |      |      |      |      |     |      |      |      |      |      |      |         |      |      |      |      |      |      |          |     |      |      |      |      |      |      |         |      |      |      |      |      |      |     |      |      |      |      |      |      |          |         |      |      |      |      |      |      |
| Leakage Current   | I = 0.02CV (μA) or 5mA, whichever is smaller, after 5 minutes at +25°C.<br>Where I = Leakage current (μA), C = Nominal capacitance (μF) and V = Rated voltage (V)   |         |        |       |        |       |       |      |      |                  |               |      |       |       |      |       |       |         |         |      |      |      |      |      |      |     |      |      |      |      |      |      |        |         |      |      |      |      |      |      |     |      |      |      |      |      |      |      |     |      |      |      |      |      |      |         |      |      |      |      |      |      |          |     |      |      |      |      |      |      |         |      |      |      |      |      |      |     |      |      |      |      |      |      |          |         |      |      |      |      |      |      |
| Ripple Current Multipliers<br><i>Refer to Section 4 of the Mini-Glossary for explanation of Ripple Current Multipliers.</i> | <p>Ambient Temperature (°C)</p> <table border="1"> <tr> <td>≤ +45°C</td> <td>+65°C</td> <td>+85°C</td> <td>+105°C</td> </tr> <tr> <td>1.41</td> <td>1.29</td> <td>1.00</td> <td>0.57</td> </tr> </table> <p>Frequency (Hz)</p> <table border="1"> <thead> <tr> <th>DC Rated Voltage</th> <th>Case Diameter</th> <th>50Hz</th> <th>120Hz</th> <th>300Hz</th> <th>1kHz</th> <th>10kHz</th> <th>50kHz</th> </tr> </thead> <tbody> <tr> <td rowspan="2">6.3-50V</td> <td>ø35-ø76</td> <td>0.95</td> <td>1.00</td> <td>1.03</td> <td>1.05</td> <td>1.09</td> <td>1.12</td> </tr> <tr> <td>ø35</td> <td>0.90</td> <td>1.00</td> <td>1.06</td> <td>1.10</td> <td>1.18</td> <td>1.22</td> </tr> <tr> <td rowspan="2">63-80V</td> <td>ø51-ø76</td> <td>0.95</td> <td>1.00</td> <td>1.03</td> <td>1.05</td> <td>1.09</td> <td>1.12</td> </tr> <tr> <td>ø35</td> <td>0.82</td> <td>1.00</td> <td>1.12</td> <td>1.22</td> <td>1.30</td> <td>1.33</td> </tr> <tr> <td rowspan="2">100V</td> <td>ø51</td> <td>0.90</td> <td>1.00</td> <td>1.06</td> <td>1.10</td> <td>1.18</td> <td>1.22</td> </tr> <tr> <td>ø63-ø76</td> <td>0.95</td> <td>1.00</td> <td>1.03</td> <td>1.05</td> <td>1.09</td> <td>1.12</td> </tr> <tr> <td rowspan="3">160-250V</td> <td>ø35</td> <td>0.80</td> <td>1.00</td> <td>1.19</td> <td>1.34</td> <td>1.46</td> <td>1.52</td> </tr> <tr> <td>ø51-ø63</td> <td>0.81</td> <td>1.00</td> <td>1.14</td> <td>1.26</td> <td>1.36</td> <td>1.41</td> </tr> <tr> <td>ø76</td> <td>0.82</td> <td>1.00</td> <td>1.12</td> <td>1.22</td> <td>1.30</td> <td>1.33</td> </tr> <tr> <td>315-400V</td> <td>ø35-ø89</td> <td>0.80</td> <td>1.00</td> <td>1.19</td> <td>1.34</td> <td>1.46</td> <td>1.52</td> </tr> </tbody> </table> | ≤ +45°C | +65°C  | +85°C | +105°C | 1.41  | 1.29  | 1.00 | 0.57 | DC Rated Voltage | Case Diameter | 50Hz | 120Hz | 300Hz | 1kHz | 10kHz | 50kHz | 6.3-50V | ø35-ø76 | 0.95 | 1.00 | 1.03 | 1.05 | 1.09 | 1.12 | ø35 | 0.90 | 1.00 | 1.06 | 1.10 | 1.18 | 1.22 | 63-80V | ø51-ø76 | 0.95 | 1.00 | 1.03 | 1.05 | 1.09 | 1.12 | ø35 | 0.82 | 1.00 | 1.12 | 1.22 | 1.30 | 1.33 | 100V | ø51 | 0.90 | 1.00 | 1.06 | 1.10 | 1.18 | 1.22 | ø63-ø76 | 0.95 | 1.00 | 1.03 | 1.05 | 1.09 | 1.12 | 160-250V | ø35 | 0.80 | 1.00 | 1.19 | 1.34 | 1.46 | 1.52 | ø51-ø63 | 0.81 | 1.00 | 1.14 | 1.26 | 1.36 | 1.41 | ø76 | 0.82 | 1.00 | 1.12 | 1.22 | 1.30 | 1.33 | 315-400V | ø35-ø89 | 0.80 | 1.00 | 1.19 | 1.34 | 1.46 | 1.52 |
| ≤ +45°C   | +65°C   | +85°C   | +105°C |       |        |       |       |      |      |                  |               |      |       |       |      |       |       |         |         |      |      |      |      |      |      |     |      |      |      |      |      |      |        |         |      |      |      |      |      |      |     |      |      |      |      |      |      |      |     |      |      |      |      |      |      |         |      |      |      |      |      |      |          |     |      |      |      |      |      |      |         |      |      |      |      |      |      |     |      |      |      |      |      |      |          |         |      |      |      |      |      |      |
| 1.41  | 1.29  | 1.00    | 0.57   |       |        |       |       |      |      |                  |               |      |       |       |      |       |       |         |         |      |      |      |      |      |      |     |      |      |      |      |      |      |        |         |      |      |      |      |      |      |     |      |      |      |      |      |      |      |     |      |      |      |      |      |      |         |      |      |      |      |      |      |          |     |      |      |      |      |      |      |         |      |      |      |      |      |      |     |      |      |      |      |      |      |          |         |      |      |      |      |      |      |
| DC Rated Voltage  | Case Diameter   | 50Hz    | 120Hz  | 300Hz | 1kHz   | 10kHz | 50kHz |      |      |                  |               |      |       |       |      |       |       |         |         |      |      |      |      |      |      |     |      |      |      |      |      |      |        |         |      |      |      |      |      |      |     |      |      |      |      |      |      |      |     |      |      |      |      |      |      |         |      |      |      |      |      |      |          |     |      |      |      |      |      |      |         |      |      |      |      |      |      |     |      |      |      |      |      |      |          |         |      |      |      |      |      |      |
| 6.3-50V   | ø35-ø76   | 0.95    | 1.00   | 1.03  | 1.05   | 1.09  | 1.12  |      |      |                  |               |      |       |       |      |       |       |         |         |      |      |      |      |      |      |     |      |      |      |      |      |      |        |         |      |      |      |      |      |      |     |      |      |      |      |      |      |      |     |      |      |      |      |      |      |         |      |      |      |      |      |      |          |     |      |      |      |      |      |      |         |      |      |      |      |      |      |     |      |      |      |      |      |      |          |         |      |      |      |      |      |      |
|   | ø35   | 0.90    | 1.00   | 1.06  | 1.10   | 1.18  | 1.22  |      |      |                  |               |      |       |       |      |       |       |         |         |      |      |      |      |      |      |     |      |      |      |      |      |      |        |         |      |      |      |      |      |      |     |      |      |      |      |      |      |      |     |      |      |      |      |      |      |         |      |      |      |      |      |      |          |     |      |      |      |      |      |      |         |      |      |      |      |      |      |     |      |      |      |      |      |      |          |         |      |      |      |      |      |      |
| 63-80V  | ø51-ø76   | 0.95    | 1.00   | 1.03  | 1.05   | 1.09  | 1.12  |      |      |                  |               |      |       |       |      |       |       |         |         |      |      |      |      |      |      |     |      |      |      |      |      |      |        |         |      |      |      |      |      |      |     |      |      |      |      |      |      |      |     |      |      |      |      |      |      |         |      |      |      |      |      |      |          |     |      |      |      |      |      |      |         |      |      |      |      |      |      |     |      |      |      |      |      |      |          |         |      |      |      |      |      |      |
|   | ø35   | 0.82    | 1.00   | 1.12  | 1.22   | 1.30  | 1.33  |      |      |                  |               |      |       |       |      |       |       |         |         |      |      |      |      |      |      |     |      |      |      |      |      |      |        |         |      |      |      |      |      |      |     |      |      |      |      |      |      |      |     |      |      |      |      |      |      |         |      |      |      |      |      |      |          |     |      |      |      |      |      |      |         |      |      |      |      |      |      |     |      |      |      |      |      |      |          |         |      |      |      |      |      |      |
| 100V  | ø51   | 0.90    | 1.00   | 1.06  | 1.10   | 1.18  | 1.22  |      |      |                  |               |      |       |       |      |       |       |         |         |      |      |      |      |      |      |     |      |      |      |      |      |      |        |         |      |      |      |      |      |      |     |      |      |      |      |      |      |      |     |      |      |      |      |      |      |         |      |      |      |      |      |      |          |     |      |      |      |      |      |      |         |      |      |      |      |      |      |     |      |      |      |      |      |      |          |         |      |      |      |      |      |      |
|   | ø63-ø76   | 0.95    | 1.00   | 1.03  | 1.05   | 1.09  | 1.12  |      |      |                  |               |      |       |       |      |       |       |         |         |      |      |      |      |      |      |     |      |      |      |      |      |      |        |         |      |      |      |      |      |      |     |      |      |      |      |      |      |      |     |      |      |      |      |      |      |         |      |      |      |      |      |      |          |     |      |      |      |      |      |      |         |      |      |      |      |      |      |     |      |      |      |      |      |      |          |         |      |      |      |      |      |      |
| 160-250V  | ø35   | 0.80    | 1.00   | 1.19  | 1.34   | 1.46  | 1.52  |      |      |                  |               |      |       |       |      |       |       |         |         |      |      |      |      |      |      |     |      |      |      |      |      |      |        |         |      |      |      |      |      |      |     |      |      |      |      |      |      |      |     |      |      |      |      |      |      |         |      |      |      |      |      |      |          |     |      |      |      |      |      |      |         |      |      |      |      |      |      |     |      |      |      |      |      |      |          |         |      |      |      |      |      |      |
|   | ø51-ø63   | 0.81    | 1.00   | 1.14  | 1.26   | 1.36  | 1.41  |      |      |                  |               |      |       |       |      |       |       |         |         |      |      |      |      |      |      |     |      |      |      |      |      |      |        |         |      |      |      |      |      |      |     |      |      |      |      |      |      |      |     |      |      |      |      |      |      |         |      |      |      |      |      |      |          |     |      |      |      |      |      |      |         |      |      |      |      |      |      |     |      |      |      |      |      |      |          |         |      |      |      |      |      |      |
|   | ø76   | 0.82    | 1.00   | 1.12  | 1.22   | 1.30  | 1.33  |      |      |                  |               |      |       |       |      |       |       |         |         |      |      |      |      |      |      |     |      |      |      |      |      |      |        |         |      |      |      |      |      |      |     |      |      |      |      |      |      |      |     |      |      |      |      |      |      |         |      |      |      |      |      |      |          |     |      |      |      |      |      |      |         |      |      |      |      |      |      |     |      |      |      |      |      |      |          |         |      |      |      |      |      |      |
| 315-400V  | ø35-ø89   | 0.80    | 1.00   | 1.19  | 1.34   | 1.46  | 1.52  |      |      |                  |               |      |       |       |      |       |       |         |         |      |      |      |      |      |      |     |      |      |      |      |      |      |        |         |      |      |      |      |      |      |     |      |      |      |      |      |      |      |     |      |      |      |      |      |      |         |      |      |      |      |      |      |          |     |      |      |      |      |      |      |         |      |      |      |      |      |      |     |      |      |      |      |      |      |          |         |      |      |      |      |      |      |
| Life Validation Test  | <p>The following specifications shall be satisfied when the capacitors are restored to +25°C after subjecting them to the DC rated voltage for 2,000 hours at +105°C with the rated ripple current applied.</p> <p>Capacitance change: ≤ 20% from initial measurement<br/>           ESR change : ≤ 200% of initial specified limit<br/>           Leakage current : ≤ initial specified limit</p>  |         |        |       |        |       |       |      |      |                  |               |      |       |       |      |       |       |         |         |      |      |      |      |      |      |     |      |      |      |      |      |      |        |         |      |      |      |      |      |      |     |      |      |      |      |      |      |      |     |      |      |      |      |      |      |         |      |      |      |      |      |      |          |     |      |      |      |      |      |      |         |      |      |      |      |      |      |     |      |      |      |      |      |      |          |         |      |      |      |      |      |      |
| Shelf Test  | <p>The following specifications shall be satisfied when the capacitors are restored to +25°C after exposing them for 500 hours at +105°C without voltage applied. The rated voltage shall be applied to the capacitors for a minimum of 30 minutes, at least 24 hours and not more than 48 hours before the measurements.</p> <p>Capacitance change: ≤ 20% from initial measurement<br/>           ESR change : ≤ 200% of initial specified limit<br/>           Leakage current : ≤ initial specified limit</p>  |         |        |       |        |       |       |      |      |                  |               |      |       |       |      |       |       |         |         |      |      |      |      |      |      |     |      |      |      |      |      |      |        |         |      |      |      |      |      |      |     |      |      |      |      |      |      |      |     |      |      |      |      |      |      |         |      |      |      |      |      |      |          |     |      |      |      |      |      |      |         |      |      |      |      |      |      |     |      |      |      |      |      |      |          |         |      |      |      |      |      |      |

## Part Numbering System for U32D Series

When ordering, always specify complete catalog number for U32D Series.

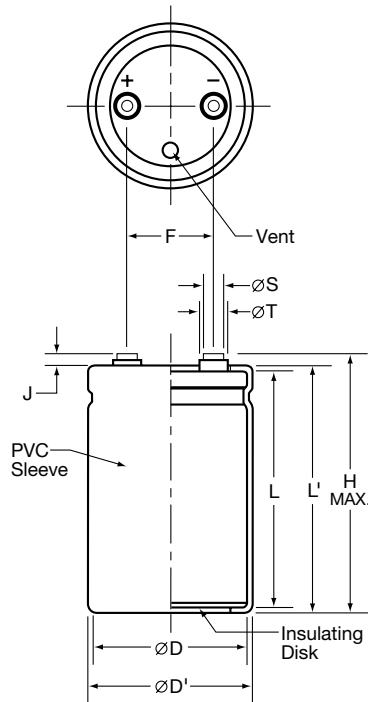


# U32D Series

## Diagram of Dimensions

### Large Can/Screw Terminals

Unit: inches and mm



#### Terminal Specifications in Inches

| Terminal Code | Thread         | Thread Depth | Available Can Diameter | J<br>±0.032<br>Height | ØS<br>±0.010<br>Dia. | ØT<br>±0.010<br>Dia. | H<br>Max.<br>Height |
|---------------|----------------|--------------|------------------------|-----------------------|----------------------|----------------------|---------------------|
| HP            | 10 - 32 NF-2B  | 0.375        | 1.375 - 3.000          | 0.250                 | 0.313                | 0.438                | L + 0.472           |
| LP            | 10 - 32 NF-2B  | 0.219        | 1.375 - 3.000          | 0.063                 | 0.313                | —                    | L + 0.276           |
| CP            | 1/4 - 28 NF-2B | 0.344        | 2.500 - 3.000          | 0.093                 | 0.688                | —                    | L + 0.315           |
| ML            | M5             | 0.219        | 1.375 - 3.000          | 0.063                 | 0.313                | 0.438                | L + 0.276           |
| LL (≤Ø3.0)    | M5             | 0.375        | 1.375 - 3.000          | 0.250                 | 0.313                | 0.438                | L + 0.472           |
| LL (Ø3.5)     | M5             | 0.354        | 3.500 only             | 0.197                 | 0.393                | 0.610                | L + 0.472           |
| CC            | M6             | 0.354        | 3.500 only             | 0.197                 | 0.512                | 0.689                | L + 0.472           |

#### Terminal Specifications in Millimeters

| Terminal Code | Thread         | Thread Depth | Available Can Diameter | J<br>±0.8<br>Height | ØS<br>±0.25<br>Dia. | ØT<br>±0.25<br>Dia. | H<br>Max.<br>Height |
|---------------|----------------|--------------|------------------------|---------------------|---------------------|---------------------|---------------------|
| HP            | 10 - 32 NF-2B  | 9.5          | 35.0 - 76.2            | 6.4                 | 8.0                 | 11.1                | L + 12              |
| LP            | 10 - 32 NF-2B  | 5.6          | 35.0 - 76.2            | 1.6                 | 8.0                 | —                   | L + 7               |
| CP            | 1/4 - 28 NF-2B | 8.7          | 63.5 - 76.2            | 2.4                 | 17.5                | —                   | L + 8               |
| ML            | M5             | 5.6          | 35.0 - 76.2            | 1.6                 | 8.0                 | 11.1                | L + 7               |
| LL (≤Ø76)     | M5             | 9.5          | 35.0 - 76.2            | 6.4                 | 8.0                 | 11.1                | L + 12              |
| LL (Ø89)      | M5             | 9.0          | 89.0 only              | 5.0                 | 10.0                | 15.5                | L + 12              |
| CC            | M6             | 9.0          | 89.0 only              | 5.0                 | 13.0                | 17.5                | L + 12              |

Refer to the Mounting Hardware page at the beginning of the Large Can section for mounting brackets and accessories.

#### Dimensions in Inches and Millimeters

| Case Code* | Bare Can     |             |              |            | With Insulating Sleeve |            |             |            | Terminal Spacing |            | Typical Weight (grams) |
|------------|--------------|-------------|--------------|------------|------------------------|------------|-------------|------------|------------------|------------|------------------------|
|            | inches       |             | mm           |            | inches                 |            | mm          |            | inches           | mm         |                        |
|            | ØD<br>±0.032 | L<br>±0.063 | ØD<br>±0.813 | L<br>±1.60 | ØD'<br>Max.            | L'<br>Max. | ØD'<br>Max. | L'<br>Max. | F<br>±0.016      | F<br>±0.40 |                        |
| 35X41      | 1.375        | 1.625       | 35.0         | 41         | 1.453                  | 1.750      | 36.9        | 44.5       | 0.500            | 12.7       | 43                     |
| 35X54      |              | 2.125       |              | 54         |                        | 2.250      |             | 57.2       |                  |            | 63                     |
| 35X67      |              | 2.625       |              | 67         |                        | 2.750      |             | 69.9       |                  |            | 82                     |
| 35X79      |              | 3.125       |              | 79         |                        | 3.250      |             | 82.6       |                  |            | 105                    |
| 35X92      |              | 3.625       |              | 92         |                        | 3.750      |             | 95.3       |                  |            | 122                    |
| 35X105     |              | 4.125       |              | 105        |                        | 4.250      |             | 108.0      |                  |            | 129                    |
| 35X117     |              | 4.625       |              | 117        |                        | 4.750      |             | 120.7      |                  |            | 162                    |
| 35X130     |              | 5.125       |              | 130        |                        | 5.250      |             | 133.4      |                  |            | 179                    |
| 35X143     |              | 5.625       |              | 143        |                        | 5.750      |             | 146.1      |                  |            | 201                    |
| 51X48      |              | 2.000       |              | 1.875      |                        | 50.8       |             | 48         |                  |            | 2.078                  |
| 51X54      | 2.125        |             | 54           | 2.250      | 57.2                   |            | 133         |            |                  |            |                        |
| 51X67      | 2.625        |             | 67           | 2.750      | 69.9                   |            | 176         |            |                  |            |                        |
| 51X79      | 3.125        |             | 79           | 3.250      | 82.6                   |            | 213         |            |                  |            |                        |
| 51X92      | 3.625        |             | 92           | 3.750      | 95.3                   |            | 261         |            |                  |            |                        |
| 51X105     | 4.125        |             | 105          | 4.250      | 108.0                  |            | 381         |            |                  |            |                        |
| 51X117     | 4.625        |             | 117          | 4.750      | 120.7                  |            | 326         |            |                  |            |                        |
| 51X130     | 5.125        |             | 130          | 5.250      | 133.4                  |            | 337         |            |                  |            |                        |
| 51X143     | 5.625        |             | 143          | 5.750      | 146.1                  |            | 408         |            |                  |            |                        |
| 63X79      | 2.500        |             | 3.125        | 63.5       | 79                     |            | 2.578       | 3.250      | 65.5             | 82.6       |                        |
| 63X105     |              | 4.125       | 105          |            | 4.250                  | 108.0      |             | 473        |                  |            |                        |
| 63X117     |              | 4.625       | 117          |            | 4.750                  | 120.7      |             | 562        |                  |            |                        |
| 63X130     |              | 5.125       | 130          |            | 5.250                  | 133.4      |             | 607        |                  |            |                        |
| 63X143     |              | 5.625       | 143          |            | 5.750                  | 146.1      |             | 675        |                  |            |                        |
| 76X92      | 3.000        | 3.625       | 76.2         | 92         | 3.078                  | 3.750      | 78.2        | 95.3       | 1.250            | 31.8       | 598                    |
| 76X105     |              | 4.125       |              | 105        |                        | 4.250      |             | 108.0      |                  |            | 700                    |
| 76X117     |              | 4.625       |              | 117        |                        | 4.750      |             | 120.7      |                  |            | 802                    |
| 76X130     |              | 5.125       |              | 130        |                        | 5.250      |             | 133.4      |                  |            | 944                    |
| 76X143     |              | 5.625       |              | 143        |                        | 5.750      |             | 146.1      |                  |            | 1004                   |
| 76X219     |              | 8.625       |              | 219        |                        | 8.750      |             | 222.3      |                  |            | 1403                   |
| 89X105     | 3.500        | 4.125       | 89.0         | 105        | 3.578                  | 4.250      | 90.9        | 108.0      | 1.240            | 31.5       | 925                    |
| 89X117     |              | 4.625       |              | 117        |                        | 4.750      |             | 120.7      |                  |            | 987                    |
| 89X130     |              | 5.125       |              | 130        |                        | 5.250      |             | 133.4      |                  |            | 1085                   |
| 89X143     |              | 5.625       |              | 143        |                        | 5.750      |             | 146.1      |                  |            | 1121                   |

\*The case code does not indicate actual size.

# U32D Series

## Standard Voltage Ratings - LG/Screw Terminals

| Rated Voltage (WVDC)              | Capacitance (µF)      | Catalog Part Number   | Nominal Case Size* D × L (inches) | Maximum ESR (mΩ) at +25°C, 120Hz | Maximum Ripple Current (A rms) at +85°C, 120Hz |
|-----------------------------------|-----------------------|-----------------------|-----------------------------------|----------------------------------|--|
| <b>6.3 Volts</b><br>8 Volts Surge | 39,000                | U32D6.3LG393M35X41HP  | 1.375 × 1.625                     | 39.9                             | 7.03   |
|                                   | 68,000                | U32D6.3LG683M35X54HP  | 1.375 × 2.125                     | 24.0                             | 9.62   |
|                                   | 82,000                | U32D6.3LG823M35X67HP  | 1.375 × 2.625                     | 19.5                             | 10.87  |
|                                   | 120,000               | U32D6.3LG124M35X79HP  | 1.375 × 3.125                     | 14.5                             | 13.76  |
|                                   | 150,000               | U32D6.3LG154M35X92HP  | 1.375 × 3.625                     | 12.2                             | 15.53  |
|                                   | 180,000               | U32D6.3LG184M35X105HP | 1.375 × 4.125                     | 11.8                             | 18.10  |
|                                   | 220,000               | U32D6.3LG224M35X130HP | 1.375 × 5.125                     | 9.1                              | 20.93  |
|                                   | 82,000                | U32D6.3LG823M51X48HP  | 2.000 × 1.875                     | 22.1                             | 11.19  |
|                                   | 120,000               | U32D6.3LG124M51X54HP  | 2.000 × 2.125                     | 16.2                             | 13.53  |
|                                   | 180,000               | U32D6.3LG184M51X67HP  | 2.000 × 2.625                     | 11.3                             | 17.11  |
|                                   | 220,000               | U32D6.3LG224M51X79HP  | 2.000 × 3.125                     | 9.2                              | 20.41  |
|                                   | 330,000               | U32D6.3LG334M51X92HP  | 2.000 × 3.625                     | 7.7                              | 24.76  |
|                                   | 390,000               | U32D6.3LG394M51X105HP | 2.000 × 4.125                     | 6.4                              | 27.19  |
|                                   | 470,000               | U32D6.3LG474M51X117HP | 2.000 × 4.625                     | 6.0                              | 30.87  |
|                                   | 560,000               | U32D6.3LG564M51X143HP | 2.000 × 5.625                     | 4.9                              | 35.78  |
|                                   | 390,000               | U32D6.3LG394M63X79HP  | 2.500 × 3.125                     | 8.7                              | 22.54  |
|                                   | 560,000               | U32D6.3LG564M63X105HP | 2.500 × 4.125                     | 6.3                              | 29.81  |
|                                   | 820,000               | U32D6.3LG824M63X117HP | 2.500 × 4.625                     | 5.7                              | 32.97  |
|                                   | 680,000               | U32D6.3LG684M76X92HP  | 3.000 × 3.625                     | 8.3                              | 26.88  |
|                                   | 820,000               | U32D6.3LG824M76X105HP | 3.000 × 4.125                     | 7.2                              | 30.40  |
| 1,000,000                         | U32D6.3LG105M76X117HP | 3.000 × 4.625         | 6.6                               | 33.32                            |  |
| 1,200,000                         | U32D6.3LG125M76X130HP | 3.000 × 5.125         | 6.1                               | 36.04                            |  |
| 2,200,000                         | U32D6.3LG225M76X219HP | 3.000 × 8.625         | 4.0                               | 56.03                            |  |
| <b>10 Volts</b><br>13 Volts Surge | 33,000                | U32D10LG333M35X41HP   | 1.375 × 1.625                     | 39.7                             | 7.03   |
|                                   | 56,000                | U32D10LG563M35X54HP   | 1.375 × 2.125                     | 24.3                             | 9.55   |
|                                   | 68,000                | U32D10LG683M35X67HP   | 1.375 × 2.625                     | 19.6                             | 10.79  |
|                                   | 100,000               | U32D10LG104M35X79HP   | 1.375 × 3.125                     | 14.6                             | 13.71  |
|                                   | 120,000               | U32D10LG124M35X92HP   | 1.375 × 3.625                     | 12.5                             | 14.66  |
|                                   | 150,000               | U32D10LG154M35X117HP  | 1.375 × 4.625                     | 10.4                             | 18.83  |
|                                   | 180,000               | U32D10LG184M35X130HP  | 1.375 × 5.125                     | 9.2                              | 20.80  |
|                                   | 68,000                | U32D10LG683M51X48HP   | 2.000 × 1.875                     | 22.2                             | 11.13  |
|                                   | 100,000               | U32D10LG104M51X54HP   | 2.000 × 2.125                     | 16.3                             | 13.48  |
|                                   | 150,000               | U32D10LG154M51X67HP   | 2.000 × 2.625                     | 11.4                             | 17.11  |
|                                   | 180,000               | U32D10LG184M51X79HP   | 2.000 × 3.125                     | 9.3                              | 20.28  |
|                                   | 270,000               | U32D10LG274M51X92HP   | 2.000 × 3.625                     | 7.8                              | 24.76  |
|                                   | 390,000               | U32D10LG394M51X117HP  | 2.000 × 4.625                     | 6.0                              | 30.55  |
|                                   | 470,000               | U32D10LG474M51X143HP  | 2.000 × 5.625                     | 4.9                              | 35.78  |
|                                   | 330,000               | U32D10LG334M63X79HP   | 2.500 × 3.125                     | 8.8                              | 22.40  |
|                                   | 470,000               | U32D10LG474M63X105HP  | 2.500 × 4.125                     | 6.4                              | 29.81  |
|                                   | 560,000               | U32D10LG564M63X117HP  | 2.500 × 4.625                     | 5.7                              | 33.95  |
|                                   | 680,000               | U32D10LG684M63X130HP  | 2.500 × 5.125                     | 5.3                              | 36.68  |
|                                   | 560,000               | U32D10LG564M76X92HP   | 3.000 × 3.625                     | 8.3                              | 26.88  |
|                                   | 680,000               | U32D10LG684M76X105HP  | 3.000 × 4.125                     | 7.2                              | 30.40  |
| 820,000                           | U32D10LG824M76X117HP  | 3.000 × 4.625         | 6.5                               | 33.32                            |  |
| 1,000,000                         | U32D10LG105M76X130HP  | 3.000 × 5.125         | 6.1                               | 36.04                            |  |
| 1,800,000                         | U32D10LG185M76X219HP  | 3.000 × 8.625         | 4.0                               | 56.03                            |  |
| <b>16 Volts</b><br>20 Volts Surge | 22,000                | U32D16LG223M35X41HP   | 1.375 × 1.625                     | 41.4                             | 6.26   |
|                                   | 39,000                | U32D16LG393M35X54HP   | 1.375 × 2.125                     | 27.3                             | 8.68   |
|                                   | 47,000                | U32D16LG473M35X67HP   | 1.375 × 2.625                     | 19.9                             | 9.80   |
|                                   | 68,000                | U32D16LG683M35X79HP   | 1.375 × 3.125                     | 15.0                             | 12.48  |
|                                   | 82,000                | U32D16LG823M35X92HP   | 1.375 × 3.625                     | 12.8                             | 14.04  |
|                                   | 100,000               | U32D16LG104M35X105HP  | 1.375 × 4.125                     | 11.1                             | 16.47  |
|                                   | 120,000               | U32D16LG124M35X130HP  | 1.375 × 5.125                     | 9.5                              | 19.11  |
|                                   | 150,000               | U32D16LG154M35X143HP  | 1.375 × 5.625                     | 9.3                              | 21.33  |
|                                   | 47,000                | U32D16LG473M51X48HP   | 2.000 × 1.875                     | 22.7                             | 10.18  |
|                                   | 68,000                | U32D16LG683M51X54HP   | 2.000 × 2.125                     | 16.7                             | 12.38  |
|                                   | 100,000               | U32D16LG104M51X67HP   | 2.000 × 2.625                     | 11.7                             | 15.75  |
|                                   | 120,000               | U32D16LG124M51X79HP   | 2.000 × 3.125                     | 9.6                              | 18.66  |

\*The case sizes in table are with no sleeve, refer to diagram for case sizes with sleeve.

# U32D Series

## Standard Voltage Ratings - LG/Screw Terminals

| Rated Voltage (WVDC)       | Capacitance (µF)     | Catalog Part Number  | Nominal Case Size* D × L (inches) | Maximum ESR (mΩ) at +25°C, 120Hz | Maximum Ripple Current (A rms) at +85°C, 120Hz |
|----------------------------|----------------------|----------------------|-----------------------------------|----------------------------------|--|
| 16 Volts<br>20 Volts Surge | 180,000              | U32D16LG184M51X92HP  | 2.000 × 3.625                     | 7.5                              | 22.89  |
|                            | 220,000              | U32D16LG224M51X105HP | 2.000 × 4.125                     | 7.0                              | 25.40  |
|                            | 270,000              | U32D16LG274M51X117HP | 2.000 × 4.625                     | 6.1                              | 28.80  |
|                            | 330,000              | U32D16LG334M51X143HP | 2.000 × 5.625                     | 5.2                              | 33.82  |
|                            | 220,000              | U32D16LG224M63X79HP  | 2.500 × 3.125                     | 8.9                              | 21.75  |
|                            | 330,000              | U32D16LG334M63X105HP | 2.500 × 4.125                     | 6.5                              | 28.62  |
|                            | 390,000              | U32D16LG394M63X117HP | 2.500 × 4.625                     | 5.9                              | 32.66  |
|                            | 470,000              | U32D16LG474M63X130HP | 2.500 × 5.125                     | 5.4                              | 34.54  |
|                            | 390,000              | U32D16LG394M76X92HP  | 3.000 × 3.625                     | 8.5                              | 26.07  |
|                            | 470,000              | U32D16LG474M76X105HP | 3.000 × 4.125                     | 7.4                              | 29.56  |
|                            | 560,000              | U32D16LG564M76X117HP | 3.000 × 4.625                     | 6.7                              | 32.56  |
|                            | 680,000              | U32D16LG684M76X130HP | 3.000 × 5.125                     | 6.2                              | 35.45  |
|                            | 820,000              | U32D16LG824M76X143HP | 3.000 × 5.625                     | 5.4                              | 37.58  |
| 1,200,000                  | U32D16LG125M76X219HP | 3.000 × 8.625        | 4.0                               | 55.32                            |  |
| 25 Volts<br>32 Volts Surge | 15,000               | U32D25LG153M35X41HP  | 1.375 × 1.625                     | 41.3                             | 6.27   |
|                            | 22,000               | U32D25LG223M35X54HP  | 1.375 × 2.125                     | 27.7                             | 8.20   |
|                            | 33,000               | U32D25LG333M35X67HP  | 1.375 × 2.625                     | 19.5                             | 9.88   |
|                            | 47,000               | U32D25LG473M35X79HP  | 1.375 × 3.125                     | 16.6                             | 12.53  |
|                            | 56,000               | U32D25LG563M35X92HP  | 1.375 × 3.625                     | 12.8                             | 13.71  |
|                            | 68,000               | U32D25LG683M35X105HP | 1.375 × 4.125                     | 12.3                             | 16.47  |
|                            | 82,000               | U32D25LG823M35X130HP | 1.375 × 5.125                     | 9.4                              | 19.11  |
|                            | 33,000               | U32D25LG333M51X48HP  | 2.000 × 1.875                     | 22.4                             | 10.23  |
|                            | 47,000               | U32D25LG473M51X54HP  | 2.000 × 2.125                     | 16.6                             | 12.42  |
|                            | 68,000               | U32D25LG683M51X67HP  | 2.000 × 2.625                     | 11.7                             | 15.68  |
|                            | 82,000               | U32D25LG823M51X79HP  | 2.000 × 3.125                     | 9.6                              | 18.76  |
|                            | 120,000              | U32D25LG124M51X92HP  | 2.000 × 3.625                     | 7.6                              | 22.73  |
|                            | 180,000              | U32D25LG184M51X117HP | 2.000 × 4.625                     | 6.1                              | 28.80  |
|                            | 220,000              | U32D25LG224M51X143HP | 2.000 × 5.625                     | 5.3                              | 33.82  |
|                            | 150,000              | U32D25LG154M63X79HP  | 2.500 × 3.125                     | 8.9                              | 21.63  |
|                            | 220,000              | U32D25LG224M63X105HP | 2.500 × 4.125                     | 6.5                              | 28.62  |
|                            | 270,000              | U32D25LG274M63X117HP | 2.500 × 4.625                     | 5.9                              | 32.66  |
|                            | 330,000              | U32D25LG334M63X143HP | 2.500 × 5.625                     | 4.9                              | 37.88  |
|                            | 270,000              | U32D25LG274M76X92HP  | 3.000 × 3.625                     | 8.6                              | 25.92  |
|                            | 330,000              | U32D25LG334M76X105HP | 3.000 × 4.125                     | 7.5                              | 29.16  |
| 390,000                    | U32D25LG394M76X117HP | 3.000 × 4.625        | 6.8                               | 32.31                            |  |
| 470,000                    | U32D25LG474M76X130HP | 3.000 × 5.125        | 6.3                               | 35.16                            |  |
| 820,000                    | U32D25LG824M76X219HP | 3.000 × 8.625        | 4.1                               | 55.32                            |  |
| 35 Volts<br>44 Volts Surge | 10,000               | U32D35LG103M35X41HP  | 1.375 × 1.625                     | 45.8                             | 5.94   |
|                            | 18,000               | U32D35LG183M35X54HP  | 1.375 × 2.125                     | 26.7                             | 8.33   |
|                            | 22,000               | U32D35LG223M35X67HP  | 1.375 × 2.625                     | 21.6                             | 9.40   |
|                            | 33,000               | U32D35LG333M35X79HP  | 1.375 × 3.125                     | 15.7                             | 12.14  |
|                            | 39,000               | U32D35LG393M35X92HP  | 1.375 × 3.625                     | 13.6                             | 13.60  |
|                            | 47,000               | U32D35LG473M35X105HP | 1.375 × 4.125                     | 11.8                             | 15.95  |
|                            | 56,000               | U32D35LG563M35X117HP | 1.375 × 4.625                     | 10.4                             | 17.35  |
|                            | 68,000               | U32D35LG683M35X143HP | 1.375 × 5.625                     | 8.9                              | 20.57  |
|                            | 22,000               | U32D35LG223M51X48HP  | 2.000 × 1.875                     | 24.1                             | 9.86   |
|                            | 33,000               | U32D35LG333M51X54HP  | 2.000 × 2.125                     | 17.4                             | 12.15  |
|                            | 47,000               | U32D35LG473M51X67HP  | 2.000 × 2.625                     | 12.4                             | 15.34  |
|                            | 68,000               | U32D35LG683M51X79HP  | 2.000 × 3.125                     | 9.4                              | 18.76  |
|                            | 82,000               | U32D35LG823M51X92HP  | 2.000 × 3.625                     | 7.9                              | 22.26  |
|                            | 100,000              | U32D35LG104M51X105HP | 2.000 × 4.125                     | 6.9                              | 24.82  |
|                            | 120,000              | U32D35LG124M51X117HP | 2.000 × 4.625                     | 6.1                              | 28.03  |
|                            | 150,000              | U32D35LG154M51X143HP | 2.000 × 5.625                     | 5.2                              | 33.12  |
|                            | 100,000              | U32D35LG104M63X79HP  | 2.500 × 3.125                     | 8.8                              | 21.88  |
|                            | 150,000              | U32D35LG154M63X105HP | 2.500 × 4.125                     | 6.5                              | 28.84  |
|                            | 220,000              | U32D35LG224M63X117HP | 2.500 × 4.625                     | 5.8                              | 32.08  |

\*The case sizes in table are with no sleeve, refer to diagram for case sizes with sleeve.

# U32D Series

## Standard Voltage Ratings - LG/Screw Terminals

| Rated Voltage (WVDC)               | Capacitance (µF)     | Catalog Part Number  | Nominal Case Size* D × L (inches) | Maximum ESR (mΩ) at +25°C, 120Hz | Maximum Ripple Current (A rms) at +85°C, 120Hz |
|------------------------------------|----------------------|----------------------|-----------------------------------|----------------------------------|--|
| <b>35 Volts<br/>44 Volts Surge</b> | 220,000              | U32D35LG224M76X92HP  | 3.000 × 3.625                     | 8.3                              | 25.19  |
|                                    | 270,000              | U32D35LG274M76X117HP | 3.000 × 4.625                     | 6.6                              | 32.81  |
|                                    | 330,000              | U32D35LG334M76X130HP | 3.000 × 5.125                     | 6.2                              | 35.45  |
|                                    | 390,000              | U32D35LG394M76X143HP | 3.000 × 5.625                     | 5.4                              | 37.90  |
|                                    | 560,000              | U32D35LG564M76X219HP | 3.000 × 8.625                     | 4.0                              | 56.03  |
| <b>50 Volts<br/>63 Volts Surge</b> | 5,600                | U32D50LG562M35X41HP  | 1.375 × 1.625                     | 52.2                             | 5.66   |
|                                    | 10,000               | U32D50LG103M35X54HP  | 1.375 × 2.125                     | 30.3                             | 7.25   |
|                                    | 15,000               | U32D50LG153M35X67HP  | 1.375 × 2.625                     | 21.3                             | 9.01   |
|                                    | 18,000               | U32D50LG183M35X79HP  | 1.375 × 3.125                     | 17.9                             | 10.92  |
|                                    | 22,000               | U32D50LG223M35X92HP  | 1.375 × 3.625                     | 15.1                             | 12.58  |
|                                    | 27,000               | U32D50LG273M35X105HP | 1.375 × 4.125                     | 12.9                             | 15.23  |
|                                    | 33,000               | U32D50LG333M35X117HP | 1.375 × 4.625                     | 12.5                             | 17.22  |
|                                    | 39,000               | U32D50LG393M35X143HP | 1.375 × 5.625                     | 9.7                              | 20.56  |
|                                    | 15,000               | U32D50LG153M51X48HP  | 2.000 × 1.875                     | 24.3                             | 10.01  |
|                                    | 18,000               | U32D50LG183M51X54HP  | 2.000 × 2.125                     | 19.4                             | 11.50  |
|                                    | 27,000               | U32D50LG273M51X67HP  | 2.000 × 2.625                     | 13.4                             | 14.97  |
|                                    | 39,000               | U32D50LG393M51X79HP  | 2.000 × 3.125                     | 10.1                             | 19.30  |
|                                    | 56,000               | U32D50LG563M51X92HP  | 2.000 × 3.625                     | 8.5                              | 22.56  |
|                                    | 68,000               | U32D50LG683M51X117HP | 2.000 × 4.625                     | 6.5                              | 27.67  |
|                                    | 82,000               | U32D50LG823M51X130HP | 2.000 × 5.125                     | 5.8                              | 29.50  |
|                                    | 100,000              | U32D50LG104M51X143HP | 2.000 × 5.625                     | 5.6                              | 34.03  |
|                                    | 68,000               | U32D50LG683M63X79HP  | 2.500 × 3.125                     | 9.4                              | 24.55  |
|                                    | 100,000              | U32D50LG104M63X105HP | 2.500 × 4.125                     | 6.8                              | 31.43  |
|                                    | 120,000              | U32D50LG124M63X117HP | 2.500 × 4.625                     | 5.9                              | 34.04  |
|                                    | 150,000              | U32D50LG154M63X143HP | 2.500 × 5.625                     | 5.1                              | 37.63  |
|                                    | 120,000              | U32D50LG124M76X92HP  | 3.000 × 3.625                     | 8.9                              | 33.88  |
|                                    | 150,000              | U32D50LG154M76X105HP | 3.000 × 4.125                     | 7.8                              | 36.22  |
| 180,000                            | U32D50LG184M76X117HP | 3.000 × 4.625        | 6.5                               | 38.22                            |  |
| 220,000                            | U32D50LG224M76X143HP | 3.000 × 5.625        | 5.7                               | 44.44                            |  |
| 330,000                            | U32D50LG334M76X219HP | 3.000 × 8.625        | 4.0                               | 65.97                            |  |
| <b>63 Volts<br/>79 Volts Surge</b> | 4,700                | U32D63LG472M35X41HP  | 1.375 × 1.625                     | 57.1                             | 5.18   |
|                                    | 6,800                | U32D63LG682M35X54HP  | 1.375 × 2.125                     | 33.8                             | 6.68   |
|                                    | 10,000               | U32D63LG103M35X67HP  | 1.375 × 2.625                     | 23.9                             | 7.36   |
|                                    | 12,000               | U32D63LG123M35X79HP  | 1.375 × 3.125                     | 20.1                             | 8.92   |
|                                    | 15,000               | U32D63LG153M35X92HP  | 1.375 × 3.625                     | 16.6                             | 10.39  |
|                                    | 18,000               | U32D63LG183M35X105HP | 1.375 × 4.125                     | 14.3                             | 12.44  |
|                                    | 22,000               | U32D63LG223M35X117HP | 1.375 × 4.625                     | 12.3                             | 14.06  |
|                                    | 27,000               | U32D63LG273M35X130HP | 1.375 × 5.125                     | 12.1                             | 16.36  |
|                                    | 10,000               | U32D63LG103M51X48HP  | 2.000 × 1.875                     | 26.7                             | 8.18   |
|                                    | 12,000               | U32D63LG123M51X54HP  | 2.000 × 2.125                     | 21.5                             | 9.39   |
|                                    | 22,000               | U32D63LG223M51X67HP  | 2.000 × 2.625                     | 14.8                             | 13.52  |
|                                    | 27,000               | U32D63LG273M51X79HP  | 2.000 × 3.125                     | 10.8                             | 16.06  |
|                                    | 39,000               | U32D63LG393M51X92HP  | 2.000 × 3.625                     | 9.1                              | 20.62  |
|                                    | 47,000               | U32D63LG473M51X117HP | 2.000 × 4.625                     | 6.9                              | 23.00  |
|                                    | 56,000               | U32D63LG563M51X130HP | 2.000 × 5.125                     | 6.2                              | 26.34  |
|                                    | 68,000               | U32D63LG683M51X143HP | 2.000 × 5.625                     | 6.0                              | 30.31  |
|                                    | 47,000               | U32D63LG473M63X79HP  | 2.500 × 3.125                     | 9.6                              | 22.05  |
|                                    | 68,000               | U32D63LG683M63X105HP | 2.500 × 4.125                     | 6.9                              | 29.84  |
|                                    | 82,000               | U32D63LG823M63X117HP | 2.500 × 4.625                     | 6.2                              | 29.93  |
|                                    | 100,000              | U32D63LG104M63X143HP | 2.500 × 5.625                     | 5.2                              | 32.23  |
|                                    | 82,000               | U32D63LG823M76X92HP  | 3.000 × 3.625                     | 8.9                              | 29.71  |
|                                    | 100,000              | U32D63LG104M76X105HP | 3.000 × 4.125                     | 7.7                              | 34.67  |
| 120,000                            | U32D63LG124M76X117HP | 3.000 × 4.625        | 6.9                               | 35.58                            |  |
| 150,000                            | U32D63LG154M76X143HP | 3.000 × 5.625        | 5.7                               | 39.63                            |  |
| 220,000                            | U32D63LG224M76X219HP | 3.000 × 8.625        | 4.0                               | 53.86                            |  |

\*The case sizes in table are with no sleeve, refer to diagram for case sizes with sleeve.



# U32D Series

## Standard Voltage Ratings - LG/Screw Terminals

| Rated Voltage (WVDC)                 | Capacitance (µF)      | Catalog Part Number   | Nominal Case Size* D × L (inches) | Maximum ESR (mΩ) at +25°C, 120Hz | Maximum Ripple Current (A rms) at +85°C, 120Hz |
|--------------------------------------|-----------------------|-----------------------|-----------------------------------|----------------------------------|--|
| <b>80 Volts<br/>100 Volts Surge</b>  | 2,200                 | U32D80LG222M35X41HP   | 1.375 × 1.625                     | 67.0                             | 4.09   |
|                                      | 3,900                 | U32D80LG392M35X54HP   | 1.375 × 2.125                     | 44.2                             | 5.84   |
|                                      | 4,700                 | U32D80LG472M35X67HP   | 1.375 × 2.625                     | 31.7                             | 6.51   |
|                                      | 6,800                 | U32D80LG682M35X79HP   | 1.375 × 3.125                     | 23.0                             | 8.67   |
|                                      | 8,200                 | U32D80LG822M35X92HP   | 1.375 × 3.625                     | 19.5                             | 9.92   |
|                                      | 10,000                | U32D80LG103M35X105HP  | 1.375 × 4.125                     | 19.0                             | 10.36  |
|                                      | 12,000                | U32D80LG123M35X130HP  | 1.375 × 5.125                     | 14.0                             | 12.19  |
|                                      | 4,700                 | U32D80LG472M51X48HP   | 2.000 × 1.875                     | 34.3                             | 6.27   |
|                                      | 6,800                 | U32D80LG682M51X54HP   | 2.000 × 2.125                     | 24.6                             | 7.90   |
|                                      | 10,000                | U32D80LG103M51X67HP   | 2.000 × 2.625                     | 17.0                             | 10.19  |
|                                      | 12,000                | U32D80LG123M51X79HP   | 2.000 × 3.125                     | 14.0                             | 11.97  |
|                                      | 18,000                | U32D80LG183M51X92HP   | 2.000 × 3.625                     | 10.4                             | 15.66  |
|                                      | 22,000                | U32D80LG223M51X105HP  | 2.000 × 4.125                     | 9.9                              | 18.36  |
|                                      | 27,000                | U32D80LG273M51X117HP  | 2.000 × 4.625                     | 8.5                              | 21.35  |
|                                      | 33,000                | U32D80LG333M51X143HP  | 2.000 × 5.625                     | 7.2                              | 25.86  |
|                                      | 22,000                | U32D80LG223M63X79HP   | 2.500 × 3.125                     | 10.6                             | 16.52  |
|                                      | 33,000                | U32D80LG333M63X105HP  | 2.500 × 4.125                     | 7.6                              | 22.84  |
|                                      | 39,000                | U32D80LG393M63X117HP  | 2.500 × 4.625                     | 6.8                              | 23.76  |
|                                      | 47,000                | U32D80LG473M63X130HP  | 2.500 × 5.125                     | 6.1                              | 25.31  |
|                                      | 39,000                | U32D80LG393M76X92HP   | 3.000 × 3.625                     | 8.9                              | 23.66  |
| 47,000                               | U32D80LG473M76X105HP  | 3.000 × 4.125         | 7.7                               | 27.45                            |  |
| 56,000                               | U32D80LG563M76X117HP  | 3.000 × 4.625         | 6.9                               | 31.38                            |  |
| 68,000                               | U32D80LG683M76X130HP  | 3.000 × 5.125         | 6.4                               | 33.51                            |  |
| 120,000                              | U32D80LG124M76X219HP  | 3.000 × 8.625         | 4.2                               | 52.62                            |  |
| <b>100 Volts<br/>125 Volts Surge</b> | 1,500                 | U32D100LG152M35X41HP  | 1.375 × 1.625                     | 80.9                             | 4.14   |
|                                      | 2,700                 | U32D100LG272M35X54HP  | 1.375 × 2.125                     | 45.9                             | 5.95   |
|                                      | 3,900                 | U32D100LG392M35X67HP  | 1.375 × 2.625                     | 37.2                             | 7.26   |
|                                      | 4,700                 | U32D100LG472M35X79HP  | 1.375 × 3.125                     | 27.1                             | 8.82   |
|                                      | 5,600                 | U32D100LG562M35X92HP  | 1.375 × 3.625                     | 23.1                             | 10.04  |
|                                      | 6,800                 | U32D100LG682M35X105HP | 1.375 × 4.125                     | 19.5                             | 11.03  |
|                                      | 8,200                 | U32D100LG822M35X117HP | 1.375 × 4.625                     | 19.2                             | 11.80  |
|                                      | 10,000                | U32D100LG103M35X143HP | 1.375 × 5.625                     | 14.1                             | 13.44  |
|                                      | 3,900                 | U32D100LG392M51X48HP  | 2.000 × 1.875                     | 39.9                             | 6.59   |
|                                      | 4,700                 | U32D100LG472M51X54HP  | 2.000 × 2.125                     | 28.7                             | 7.59   |
|                                      | 6,800                 | U32D100LG682M51X67HP  | 2.000 × 2.625                     | 20.0                             | 9.70   |
|                                      | 10,000                | U32D100LG103M51X79HP  | 2.000 × 3.125                     | 14.5                             | 12.62  |
|                                      | 12,000                | U32D100LG123M51X92HP  | 2.000 × 3.625                     | 12.2                             | 14.77  |
|                                      | 15,000                | U32D100LG153M51X105HP | 2.000 × 4.125                     | 10.2                             | 17.51  |
|                                      | 18,000                | U32D100LG183M51X117HP | 2.000 × 4.625                     | 9.8                              | 20.13  |
|                                      | 22,000                | U32D100LG223M51X143HP | 2.000 × 5.625                     | 7.5                              | 24.38  |
|                                      | 15,000                | U32D100LG153M63X79HP  | 2.500 × 3.125                     | 11.9                             | 15.26  |
|                                      | 22,000                | U32D100LG223M63X105HP | 2.500 × 4.125                     | 8.5                              | 20.85  |
|                                      | 27,000                | U32D100LG273M63X117HP | 2.500 × 4.625                     | 7.4                              | 24.22  |
|                                      | 33,000                | U32D100LG333M63X130HP | 2.500 × 5.125                     | 6.6                              | 28.05  |
| 39,000                               | U32D100LG393M63X143HP | 2.500 × 5.625         | 6.3                               | 31.82                            |  |
| 27,000                               | U32D100LG273M76X92HP  | 3.000 × 3.625         | 9.3                               | 21.56                            |  |
| 33,000                               | U32D100LG333M76X105HP | 3.000 × 4.125         | 8.0                               | 25.20                            |  |
| 39,000                               | U32D100LG393M76X117HP | 3.000 × 4.625         | 7.2                               | 28.69                            |  |
| 47,000                               | U32D100LG473M76X130HP | 3.000 × 5.125         | 6.6                               | 30.09                            |  |
| 56,000                               | U32D100LG563M76X143HP | 3.000 × 5.625         | 6.1                               | 34.25                            |  |
| 82,000                               | U32D100LG823M76X219HP | 3.000 × 8.625         | 4.3                               | 50.23                            |  |
| <b>160 Volts<br/>200 Volts Surge</b> | 820                   | U32D160LG821M35X41HP  | 1.375 × 1.625                     | 184.8                            | 2.50   |
|                                      | 1,500                 | U32D160LG152M35X54HP  | 1.375 × 2.125                     | 101.2                            | 3.62   |
|                                      | 1,800                 | U32D160LG182M35X67HP  | 1.375 × 2.625                     | 83.3                             | 4.03   |
|                                      | 2,700                 | U32D160LG272M35X79HP  | 1.375 × 3.125                     | 56.8                             | 5.46   |
|                                      | 3,900                 | U32D160LG392M35X105HP | 1.375 × 4.125                     | 40.0                             | 7.47   |
|                                      | 4,700                 | U32D160LG472M35X130HP | 1.375 × 5.125                     | 33.4                             | 8.81   |
|                                      | 5,600                 | U32D160LG562M35X143HP | 1.375 × 5.625                     | 28.6                             | 10.06  |

\*The case sizes in table are with no sleeve, refer to diagram for case sizes with sleeve.

# U32D Series

## Standard Voltage Ratings - LG/Screw Terminals

| Rated Voltage (WVDC)         | Capacitance (µF)      | Catalog Part Number   | Nominal Case Size* D × L (inches) | Maximum ESR (mΩ) at +25°C, 120Hz | Maximum Ripple Current (A rms) at +85°C, 120Hz |
|------------------------------|-----------------------|-----------------------|-----------------------------------|----------------------------------|--|
| 160 Volts<br>200 Volts Surge | 2,200                 | U32D160LG222M51X48HP  | 2.000 × 1.875                     | 74.6                             | 4.29   |
|                              | 2,700                 | U32D160LG272M51X54HP  | 2.000 × 2.125                     | 59.6                             | 4.98   |
|                              | 3,900                 | U32D160LG392M51X67HP  | 2.000 × 2.625                     | 41.1                             | 6.36   |
|                              | 5,600                 | U32D160LG562M51X79HP  | 2.000 × 3.125                     | 29.4                             | 8.18   |
|                              | 6,800                 | U32D160LG682M51X92HP  | 2.000 × 3.625                     | 24.0                             | 9.63   |
|                              | 8,200                 | U32D160LG822M51X105HP | 2.000 × 4.125                     | 20.5                             | 11.21  |
|                              | 10,000                | U32D160LG103M51X117HP | 2.000 × 4.625                     | 17.0                             | 12.99  |
|                              | 12,000                | U32D160LG123M51X143HP | 2.000 × 5.625                     | 14.3                             | 15.60  |
|                              | 8,200                 | U32D160LG822M63X79HP  | 2.500 × 3.125                     | 22.6                             | 11.28  |
|                              | 12,000                | U32D160LG123M63X105HP | 2.500 × 4.125                     | 15.8                             | 15.40  |
|                              | 18,000                | U32D160LG183M63X117HP | 2.500 × 4.625                     | 11.8                             | 19.77  |
|                              | 18,000                | U32D160LG183M76X92HP  | 3.000 × 3.625                     | 14.7                             | 19.68  |
|                              | 22,000                | U32D160LG223M76X117HP | 3.000 × 4.625                     | 11.3                             | 24.09  |
|                              | 27,000                | U32D160LG273M76X130HP | 3.000 × 5.125                     | 9.9                              | 27.93  |
| 47,000                       | U32D160LG473M76X219HP | 3.000 × 8.625         | 6.2                               | 46.58                            |  |
| 200 Volts<br>250 Volts Surge | 680                   | U32D200LG681M35X41HP  | 1.375 × 1.625                     | 192.4                            | 2.28   |
|                              | 1,000                 | U32D200LG102M35X54HP  | 1.375 × 2.125                     | 128.5                            | 2.96   |
|                              | 1,500                 | U32D200LG152M35X67HP  | 1.375 × 2.625                     | 86.3                             | 3.68   |
|                              | 1,800                 | U32D200LG182M35X79HP  | 1.375 × 3.125                     | 71.8                             | 4.46   |
|                              | 2,200                 | U32D200LG222M35X92HP  | 1.375 × 3.625                     | 59.1                             | 5.14   |
|                              | 2,700                 | U32D200LG272M35X105HP | 1.375 × 4.125                     | 48.7                             | 6.22   |
|                              | 3,300                 | U32D200LG332M35X117HP | 1.375 × 4.625                     | 40.4                             | 7.03   |
|                              | 3,900                 | U32D200LG392M35X130HP | 1.375 × 5.125                     | 34.7                             | 8.03   |
|                              | 1,500                 | U32D200LG152M51X48HP  | 2.000 × 1.875                     | 110.7                            | 4.09   |
|                              | 2,200                 | U32D200LG222M51X54HP  | 2.000 × 2.125                     | 63.1                             | 5.19   |
|                              | 3,300                 | U32D200LG332M51X67HP  | 2.000 × 2.625                     | 42.2                             | 6.76   |
|                              | 3,900                 | U32D200LG392M51X79HP  | 2.000 × 3.125                     | 35.2                             | 7.88   |
|                              | 5,600                 | U32D200LG562M51X92HP  | 2.000 × 3.625                     | 25.1                             | 10.09  |
|                              | 8,200                 | U32D200LG822M51X117HP | 2.000 × 4.625                     | 17.8                             | 13.59  |
|                              | 10,000                | U32D200LG103M51X143HP | 2.000 × 5.625                     | 14.8                             | 16.44  |
|                              | 6,800                 | U32D200LG682M63X79HP  | 2.500 × 3.125                     | 23.6                             | 10.27  |
|                              | 10,000                | U32D200LG103M63X105HP | 2.500 × 4.125                     | 16.5                             | 14.06  |
|                              | 12,000                | U32D200LG123M63X117HP | 2.500 × 4.625                     | 13.8                             | 16.14  |
|                              | 15,000                | U32D200LG153M63X143HP | 2.500 × 5.625                     | 11.5                             | 19.74  |
|                              | 12,000                | U32D200LG123M76X92HP  | 3.000 × 3.625                     | 16.4                             | 16.07  |
| 15,000                       | U32D200LG153M76X105HP | 3.000 × 4.125         | 13.7                              | 18.99                            |  |
| 18,000                       | U32D200LG183M76X117HP | 3.000 × 4.625         | 11.9                              | 21.79                            |  |
| 22,000                       | U32D200LG223M76X143HP | 3.000 × 5.625         | 9.8                               | 26.29                            |  |
| 33,000                       | U32D200LG333M76X219HP | 3.000 × 8.625         | 6.8                               | 39.03                            |  |
| 250 Volts<br>300 Volts Surge | 470                   | U32D250LG471M35X41HP  | 1.375 × 1.625                     | 273.0                            | 1.89   |
|                              | 820                   | U32D250LG821M35X54HP  | 1.375 × 2.125                     | 155.3                            | 2.68   |
|                              | 1,200                 | U32D250LG122M35X67HP  | 1.375 × 2.625                     | 106.5                            | 3.29   |
|                              | 1,500                 | U32D250LG152M35X79HP  | 1.375 × 3.125                     | 85.3                             | 3.53   |
|                              | 1,800                 | U32D250LG182M35X92HP  | 1.375 × 3.625                     | 71.3                             | 4.02   |
|                              | 2,200                 | U32D250LG222M35X105HP | 1.375 × 4.125                     | 58.8                             | 4.86   |
|                              | 2,700                 | U32D250LG272M35X117HP | 1.375 × 4.625                     | 48.5                             | 5.51   |
|                              | 3,300                 | U32D250LG332M35X143HP | 1.375 × 5.625                     | 40.0                             | 6.69   |
|                              | 1,200                 | U32D250LG122M51X48HP  | 2.000 × 1.875                     | 112.1                            | 3.17   |
|                              | 1,500                 | U32D250LG152M51X54HP  | 2.000 × 2.125                     | 88.4                             | 3.71   |
|                              | 2,200                 | U32D250LG222M51X67HP  | 2.000 × 2.625                     | 60.1                             | 4.78   |
|                              | 3,300                 | U32D250LG332M51X79HP  | 2.000 × 3.125                     | 41.0                             | 6.28   |
|                              | 3,900                 | U32D250LG392M51X92HP  | 2.000 × 3.625                     | 34.6                             | 7.29   |
|                              | 4,700                 | U32D250LG472M51X105HP | 2.000 × 4.125                     | 29.0                             | 8.49   |
|                              | 5,600                 | U32D250LG562M51X117HP | 2.000 × 4.625                     | 24.7                             | 9.72   |
|                              | 6,800                 | U32D250LG682M51X130HP | 2.000 × 5.125                     | 20.7                             | 11.24  |
|                              | 5,600                 | U32D250LG562M63X79HP  | 2.500 × 3.125                     | 27.7                             | 9.32   |
|                              | 8,200                 | U32D250LG822M63X105HP | 2.500 × 4.125                     | 19.3                             | 12.73  |

\*The case sizes in table are with no sleeve, refer to diagram for case sizes with sleeve.



# U32D Series

## Standard Voltage Ratings - LG/Screw Terminals

| Rated Voltage (WVDC)                 | Capacitance (µF)      | Catalog Part Number   | Nominal Case Size* D × L (inches) | Maximum ESR (mΩ) at +25°C, 120Hz | Maximum Ripple Current (A rms) at +85°C, 120Hz |
|--------------------------------------|-----------------------|-----------------------|-----------------------------------|----------------------------------|--|
| <b>250 Volts<br/>300 Volts Surge</b> | 10,000                | U32D250LG103M63X117HP | 2.500 × 4.625                     | 18.5                             | 14.74  |
|                                      | 12,000                | U32D250LG123M63X143HP | 2.500 × 5.625                     | 13.6                             | 17.65  |
|                                      | 10,000                | U32D250LG103M76X92HP  | 3.000 × 3.625                     | 18.8                             | 14.67  |
|                                      | 12,000                | U32D250LG123M76X105HP | 3.000 × 4.125                     | 15.9                             | 16.99  |
|                                      | 15,000                | U32D250LG153M76X130HP | 3.000 × 5.125                     | 12.7                             | 20.82  |
|                                      | 18,000                | U32D250LG183M76X143HP | 3.000 × 5.625                     | 11.2                             | 23.78  |
|                                      | 27,000                | U32D250LG273M76X219HP | 3.000 × 8.625                     | 7.7                              | 35.30  |
| <b>315 Volts<br/>365 Volts Surge</b> | 220                   | U32D315LG221M35X41HP  | 1.375 × 1.625                     | 750.3                            | 1.59   |
|                                      | 330                   | U32D315LG331M35X54HP  | 1.375 × 2.125                     | 492.0                            | 2.08   |
|                                      | 470                   | U32D315LG471M35X67HP  | 1.375 × 2.625                     | 343.8                            | 2.52   |
|                                      | 680                   | U32D315LG681M35X79HP  | 1.375 × 3.125                     | 237.8                            | 3.36   |
|                                      | 820                   | U32D315LG821M35X92HP  | 1.375 × 3.625                     | 197.2                            | 3.14   |
|                                      | 1,000                 | U32D315LG102M35X105HP | 1.375 × 4.125                     | 161.9                            | 8.46   |
|                                      | 1,200                 | U32D315LG122M35X130HP | 1.375 × 5.125                     | 134.9                            | 9.96   |
|                                      | 470                   | U32D315LG471M51X48HP  | 2.000 × 1.875                     | 354.0                            | 2.80   |
|                                      | 680                   | U32D315LG681M51X54HP  | 2.000 × 2.125                     | 243.1                            | 3.53   |
|                                      | 1,000                 | U32D315LG102M51X67HP  | 2.000 × 2.625                     | 164.1                            | 3.72   |
|                                      | 1,200                 | U32D315LG122M51X79HP  | 2.000 × 3.125                     | 135.9                            | 4.37   |
|                                      | 1,800                 | U32D315LG182M51X92HP  | 2.000 × 3.625                     | 91.0                             | 5.72   |
|                                      | 2,200                 | U32D315LG222M51X105HP | 2.000 × 4.125                     | 75.0                             | 6.70   |
|                                      | 2,700                 | U32D315LG272M51X117HP | 2.000 × 4.625                     | 61.3                             | 7.80   |
|                                      | 3,300                 | U32D315LG332M51X143HP | 2.000 × 5.625                     | 50.3                             | 9.44   |
|                                      | 2,200                 | U32D315LG222M63X79HP  | 2.500 × 3.125                     | 77.0                             | 6.75   |
|                                      | 3,300                 | U32D315LG332M63X105HP | 2.500 × 4.125                     | 51.7                             | 9.32   |
|                                      | 3,900                 | U32D315LG392M63X117HP | 2.500 × 4.625                     | 43.7                             | 10.63  |
|                                      | 4,700                 | U32D315LG472M63X130HP | 2.500 × 5.125                     | 36.9                             | 12.22  |
|                                      | 3,900                 | U32D315LG392M76X92HP  | 3.000 × 3.625                     | 45.7                             | 10.58  |
|                                      | 4,700                 | U32D315LG472M76X105HP | 3.000 × 4.125                     | 38.2                             | 12.28  |
| 5,600                                | U32D315LG562M76X117HP | 3.000 × 4.625         | 32.4                              | 14.03                            |  |
| 6,800                                | U32D315LG682M76X130HP | 3.000 × 5.125         | 27.2                              | 16.19                            |  |
| 8,200                                | U32D315LG822M76X143HP | 3.000 × 5.625         | 23.1                              | 18.53                            |  |
| 12,000                               | U32D315LG123M76X219HP | 3.000 × 8.625         | 16.0                              | 27.17                            |  |
| <b>350 Volts<br/>400 Volts Surge</b> | 180                   | U32D350LG181M35X41HP  | 1.375 × 1.625                     | 882.3                            | 1.43   |
|                                      | 330                   | U32D350LG331M35X54HP  | 1.375 × 2.125                     | 475.0                            | 2.08   |
|                                      | 470                   | U32D350LG471M35X67HP  | 1.375 × 2.625                     | 332.0                            | 2.52   |
|                                      | 560                   | U32D350LG561M35X79HP  | 1.375 × 3.125                     | 277.6                            | 3.05   |
|                                      | 680                   | U32D350LG681M35X92HP  | 1.375 × 3.625                     | 228.5                            | 3.36   |
|                                      | 820                   | U32D350LG821M35X105HP | 1.375 × 4.125                     | 189.6                            | 3.43   |
|                                      | 1,000                 | U32D350LG102M35X117HP | 1.375 × 4.625                     | 156.0                            | 3.87   |
|                                      | 1,200                 | U32D350LG122M35X130HP | 1.375 × 5.125                     | 130.0                            | 4.45   |
|                                      | 470                   | U32D350LG471M51X48HP  | 2.000 × 1.875                     | 342.0                            | 2.80   |
|                                      | 680                   | U32D350LG681M51X54HP  | 2.000 × 2.125                     | 235.0                            | 3.53   |
|                                      | 1,000                 | U32D350LG102M51X67HP  | 2.000 × 2.625                     | 156.0                            | 3.72   |
|                                      | 1,200                 | U32D350LG122M51X79HP  | 2.000 × 3.125                     | 131.3                            | 4.37   |
|                                      | 1,800                 | U32D350LG182M51X92HP  | 2.000 × 3.625                     | 88.0                             | 5.72   |
|                                      | 2,200                 | U32D350LG222M51X117HP | 2.000 × 4.625                     | 71.9                             | 7.04   |
|                                      | 2,700                 | U32D350LG272M51X130HP | 2.000 × 5.125                     | 59.0                             | 8.18   |
|                                      | 2,200                 | U32D350LG222M63X79HP  | 2.500 × 3.125                     | 75.0                             | 6.75   |
|                                      | 3,300                 | U32D350LG332M63X105HP | 2.500 × 4.125                     | 50.0                             | 9.32   |
|                                      | 3,900                 | U32D350LG392M63X117HP | 2.500 × 4.625                     | 42.0                             | 10.63  |
|                                      | 4,700                 | U32D350LG472M63X143HP | 2.500 × 5.625                     | 35.0                             | 12.76  |
|                                      | 3,900                 | U32D350LG392M76X92HP  | 3.000 × 3.625                     | 44.0                             | 10.58  |
|                                      | 4,700                 | U32D350LG472M76X105HP | 3.000 × 4.125                     | 37.0                             | 12.28  |
|                                      | 5,600                 | U32D350LG562M76X117HP | 3.000 × 4.625                     | 32.0                             | 14.03  |
|                                      | 6,800                 | U32D350LG682M76X130HP | 3.000 × 5.125                     | 27.0                             | 16.19  |
|                                      | 10,000                | U32D350LG103M76X219HP | 3.000 × 8.625                     | 17.9                             | 24.81  |
| 5,600                                | U32D350LG562M89X105LL | 3.500 × 4.125         | 35.0                              | 15.40                            |  |
| 6,800                                | U32D350LG682M89X117LL | 3.500 × 4.625         | 30.0                              | 17.28                            |  |
| 8,200                                | U32D350LG822M89X143LL | 3.500 × 5.625         | 24.0                              | 21.00                            |  |

\*The case sizes in table are with no sleeve, refer to diagram for case sizes with sleeve.

# U32D Series

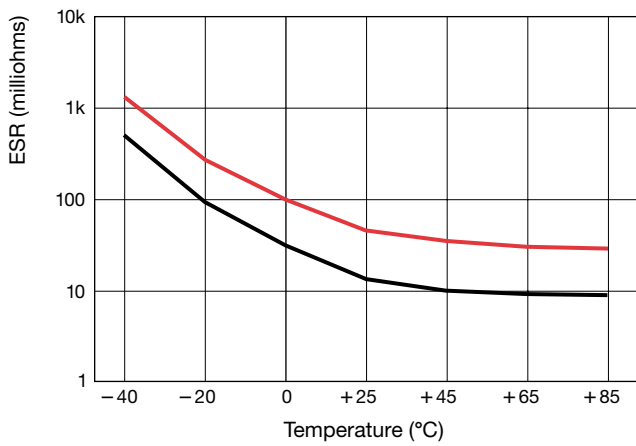
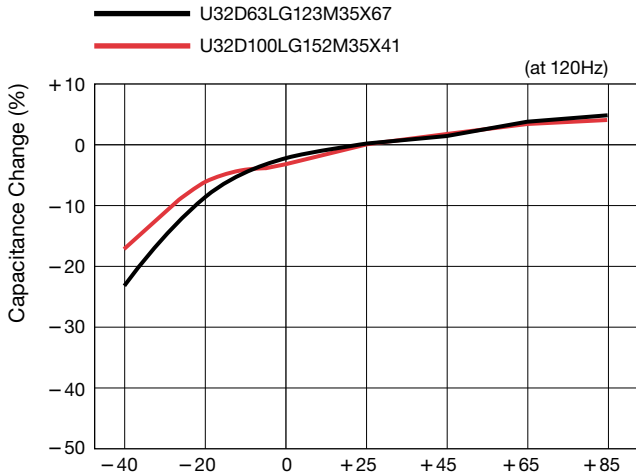
## Standard Voltage Ratings - LG/Screw Terminals

| Rated Voltage (WVDC)                 | Capacitance (μF) | Catalog Part Number   | Nominal Case Size* D × L (inches) | Maximum ESR (mΩ) at +25°C, 120Hz | Maximum Ripple Current (A rms) at +85°C, 120Hz |
|--------------------------------------|------------------|-----------------------|-----------------------------------|----------------------------------|--|
| <b>400 Volts<br/>450 Volts Surge</b> | 180              | U32D400LG181M35X41HP  | 1.375 × 1.625                     | 806.0                            | 1.43   |
|                                      | 270              | U32D400LG271M35X54HP  | 1.375 × 2.125                     | 528.4                            | 1.88   |
|                                      | 390              | U32D400LG391M35X67HP  | 1.375 × 2.625                     | 364.1                            | 2.30   |
|                                      | 470              | U32D400LG471M35X79HP  | 1.375 × 3.125                     | 301.2                            | 2.79   |
|                                      | 680              | U32D400LG681M35X92HP  | 1.375 × 3.625                     | 209.0                            | 2.86   |
|                                      | 820              | U32D400LG821M35X117HP | 1.375 × 4.625                     | 172.9                            | 3.50   |
|                                      | 1,000            | U32D400LG102M35X130HP | 1.375 × 5.125                     | 142.0                            | 4.06   |
|                                      | 390              | U32D400LG391M51X48HP  | 2.000 × 1.875                     | 374.9                            | 2.55   |
|                                      | 560              | U32D400LG561M51X54HP  | 2.000 × 2.125                     | 259.0                            | 3.21   |
|                                      | 820              | U32D400LG821M51X67HP  | 2.000 × 2.625                     | 176.0                            | 3.37   |
|                                      | 1,000            | U32D400LG102M51X79HP  | 2.000 × 3.125                     | 143.3                            | 3.99   |
|                                      | 1,500            | U32D400LG152M51X92HP  | 2.000 × 3.625                     | 96.0                             | 5.22   |
|                                      | 2,200            | U32D400LG222M51X117HP | 2.000 × 4.625                     | 66.0                             | 7.04   |
|                                      | 2,700            | U32D400LG272M51X143HP | 2.000 × 5.625                     | 54.0                             | 8.54   |
|                                      | 1,800            | U32D400LG182M63X79HP  | 2.500 × 3.125                     | 82.0                             | 6.10   |
|                                      | 2,700            | U32D400LG272M63X105HP | 2.500 × 4.125                     | 55.0                             | 8.43   |
|                                      | 3,300            | U32D400LG332M63X117HP | 2.500 × 4.625                     | 45.4                             | 9.78   |
|                                      | 3,900            | U32D400LG392M63X130HP | 2.500 × 5.125                     | 39.0                             | 11.13  |
|                                      | 3,300            | U32D400LG332M76X92HP  | 3.000 × 3.625                     | 48.0                             | 9.73   |
|                                      | 3,900            | U32D400LG392M76X105HP | 3.000 × 4.125                     | 40.3                             | 11.18  |
|                                      | 4,700            | U32D400LG472M76X117HP | 3.000 × 4.625                     | 34.0                             | 12.86  |
|                                      | 5,600            | U32D400LG562M76X130HP | 3.000 × 5.125                     | 29.0                             | 14.69  |
|                                      | 10,000           | U32D400LG103M76X219HP | 3.000 × 8.625                     | 17.0                             | 24.81  |
|                                      | 4,700            | U32D400LG472M89X105LL | 3.500 × 4.125                     | 36.0                             | 15.19  |
|                                      | 5,600            | U32D400LG562M89X117LL | 3.500 × 4.625                     | 32.0                             | 16.73  |
|                                      | 6,800            | U32D400LG682M89X143LL | 3.500 × 5.625                     | 25.0                             | 20.58  |

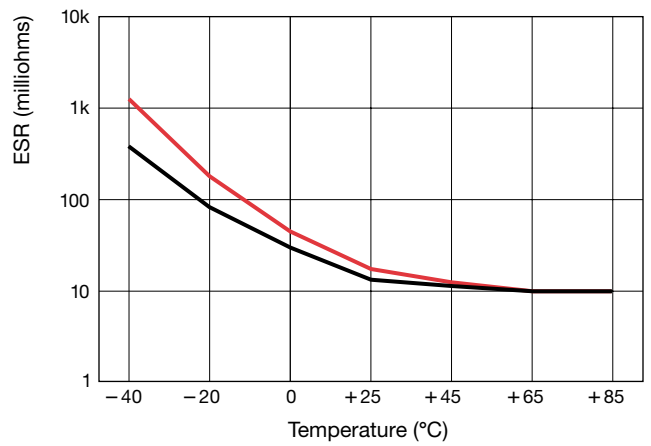
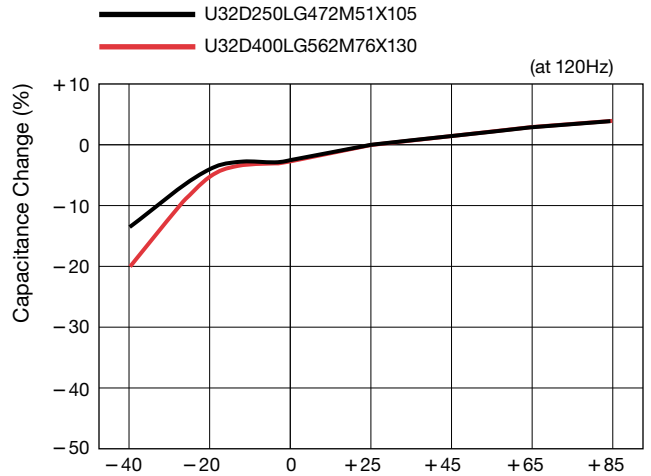
\*The case sizes in table are with no sleeve, refer to diagram for case sizes with sleeve.

# U32D Series

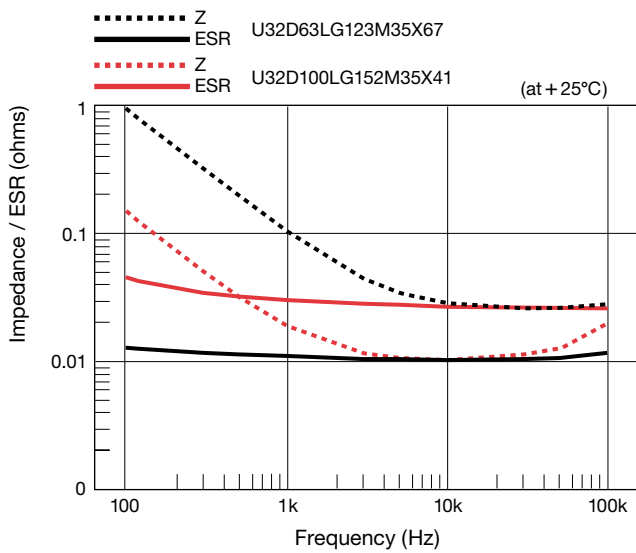
## Temperature Characteristics



## Temperature Characteristics



## Impedance/ESR - Frequency Characteristics



## Impedance/ESR - Frequency Characteristics

