

Type 381LQ 105 °C Compact, High Ripple, Snap-In Aluminum

Higher Capacitance per Case Size



Type 381LQ is on average 23% smaller and more than 5 mm shorter than Type 381LX. This is achieved with a new can closure method that permits installing capacitor elements into smaller cans. Approaching the robust capability of the 381L the new 381LQ enables you to shrink equipment size and retain the original performance.

Highlights

- More capacitance per case
- Compares to the 381L

Specifications

| Temperature Range | -40 °C to + 105 °C ≤ 315 Vdc -25 °C to + 105 °C ≥ 350 Vdc | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------|---|-------|--------|---------|--------|-------------|--------|--|------|------|------|------|------|---------|-------|-------|--------|---------|-------|-------------|--------------|------|------|------|------|------|------|---------------|------|------|------|------|------|------|
| Rated Voltage Range | 10 Vdc to 450 Vdc | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Capacitance Range | 100 μF to 100,000 μF | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Capacitance Tolerance | ± 20% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leakage Current | ≤ 3 \sqrt{CV} μA, 4 mA max, 5 minutes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ripple Current Multipliers | <p>Ambient Temperature</p> <table border="1"> <thead> <tr> <th></th> <th>45 °C</th> <th>60 °C</th> <th>70 °C</th> <th>85 °C</th> <th>105 °C</th> </tr> </thead> <tbody> <tr> <td></td> <td>2.35</td> <td>2.20</td> <td>2.00</td> <td>1.70</td> <td>1.00</td> </tr> </tbody> </table> <p>Frequency</p> <table border="1"> <thead> <tr> <th rowspan="2">Voltage</th> <th>50 Hz</th> <th>60 Hz</th> <th>120 Hz</th> <th>500 kHz</th> <th>1 kHz</th> <th>10 kHz & Up</th> </tr> </thead> <tbody> <tr> <td>10 - 100 WVV</td> <td>0.93</td> <td>0.95</td> <td>1.00</td> <td>1.05</td> <td>1.08</td> <td>1.15</td> </tr> <tr> <td>160 - 450 WVV</td> <td>0.75</td> <td>0.80</td> <td>1.00</td> <td>1.20</td> <td>1.25</td> <td>1.40</td> </tr> </tbody> </table> | | 45 °C | 60 °C | 70 °C | 85 °C | 105 °C | | 2.35 | 2.20 | 2.00 | 1.70 | 1.00 | Voltage | 50 Hz | 60 Hz | 120 Hz | 500 kHz | 1 kHz | 10 kHz & Up | 10 - 100 WVV | 0.93 | 0.95 | 1.00 | 1.05 | 1.08 | 1.15 | 160 - 450 WVV | 0.75 | 0.80 | 1.00 | 1.20 | 1.25 | 1.40 |
| | 45 °C | 60 °C | 70 °C | 85 °C | 105 °C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 2.35 | 2.20 | 2.00 | 1.70 | 1.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Voltage | 50 Hz | 60 Hz | 120 Hz | 500 kHz | 1 kHz | 10 kHz & Up | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 10 - 100 WVV | 0.93 | 0.95 | 1.00 | 1.05 | 1.08 | 1.15 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 160 - 450 WVV | 0.75 | 0.80 | 1.00 | 1.20 | 1.25 | 1.40 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Low Temperature Characteristics | Impedance ratio: $Z_{-20°C}/Z_{+25°C}$ ≤ 10 (10 Vdc) ≤ 8 (16–50 Vdc) ≤ 4 (63–100 Vdc) ≤ 3 (150–450 Vdc) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Endurance Life Test | 2000 h at full load at 105 °C Δ Capacitance ±20% ESR 200% of limit DCL 100% of limit | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Shelf Life Test | 1000 h at 105 °C Δ Capacitance ±20% ESR 200% of limit DCL 100% of limit | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Vibration | 10 to 55 Hz, 0.06" and 10 g max, 2 h each plane | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RoHS Compliant | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

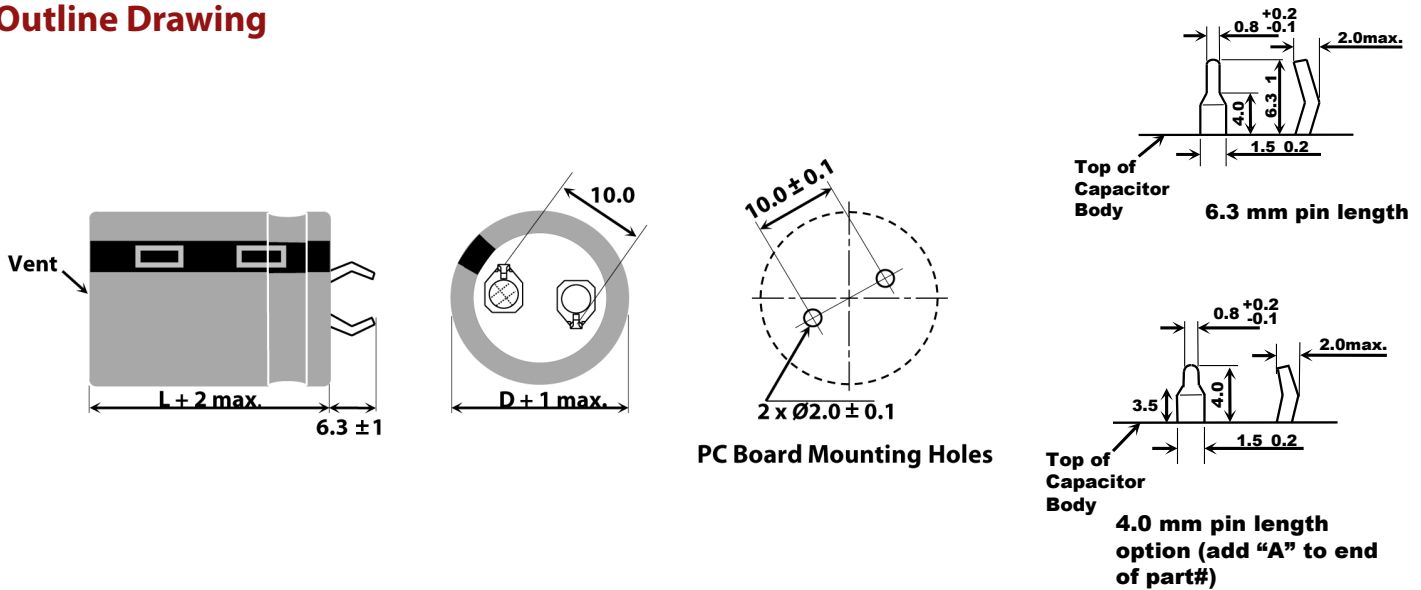
Type 381LQ 105 °C Compact, High Ripple, Snap-In Aluminum

Higher Capacitance per Case Size

Part Numbering System

| | | | | | | | |
|--------------|---|-----------------|--|------------|-------------------|--|--|
| 381LQ | 821 | M | 400 | A05 | 2 | A | +D |
| Type | Cap | Tolerance | Voltage | Case Code | Insulating Sleeve | Pin Style | Blank = no end disk if <250 V D = end disk, any voltage |
| 381LQ | 471 = 470 μF 332 = 3300 μF 103 = 10,000 μF | M = ±20% | 160 = 160 Vdc 450 = 450 Vdc | | 2 = PVC | Blank = 2 pins snap-in 6.3 mm L A = 2 pins snap-in 4.0 mm L | |

Outline Drawing



Note that for 200 volts and under the insulating end disc is optional - If one is needed add a (+D) to the end of the part numbering system.

Insulated Case Dimensions

| Case Code | DIAMETER | | LENGTH | | Typical Weight (grams) |
|-----------|----------|--------|--------|--------|------------------------|
| | mm | inches | mm | inches | |
| H01 | 22 | 0.87 | 25 | 0.98 | 16 |
| H02 | 22 | 0.87 | 30 | 1.18 | 19 |
| H03 | 22 | 0.87 | 35 | 1.38 | 22 |
| H04 | 22 | 0.87 | 40 | 1.57 | 24 |
| H45 | 22 | 0.87 | 45 | 1.77 | 28 |
| H05 | 22 | 0.87 | 50 | 1.97 | 31 |
| J01 | 25 | 0.98 | 25 | 0.98 | 20 |
| J02 | 25 | 0.98 | 30 | 1.18 | 24 |
| J03 | 25 | 0.98 | 35 | 1.38 | 27 |
| J04 | 25 | 0.98 | 40 | 1.57 | 31 |
| J45 | 25 | 0.98 | 45 | 1.77 | 35 |
| J05 | 25 | 0.98 | 50 | 1.97 | 38 |

| Case Code | DIAMETER | | LENGTH | | Typical Weight (grams) |
|-----------|----------|--------|--------|--------|------------------------|
| | mm | inches | mm | inches | |
| K01 | 30 | 1.18 | 25 | 0.98 | 30 |
| K02 | 30 | 1.18 | 30 | 1.18 | 35 |
| K03 | 30 | 1.18 | 35 | 1.38 | 40 |
| K04 | 30 | 1.18 | 40 | 1.57 | 44 |
| K45 | 30 | 1.18 | 45 | 1.77 | 49 |
| K05 | 30 | 1.18 | 50 | 1.97 | 53 |
| A01 | 35 | 1.38 | 25 | 0.98 | 42 |
| A02 | 35 | 1.38 | 30 | 1.18 | 48 |
| A03 | 35 | 1.38 | 35 | 1.38 | 54 |
| A04 | 35 | 1.38 | 40 | 1.57 | 60 |
| A45 | 35 | 1.38 | 45 | 1.77 | 67 |
| A05 | 35 | 1.38 | 50 | 1.97 | 74 |

Type 381LQ 105 °C Compact, High Ripple, Snap-In Aluminum

Higher Capacitance per Case Size Ratings

| Cap. (µF) | Catalog Part Number | ESR Max @ 25 °C | | Ripple Amps @ 105 °C | | Nominal Size D x L (mm) |
|------------------------------|------------------------|--------------------|-------------|-------------------------|---------------|----------------------------------|
| | | 120 Hz Ω | 20 kHz Ω | 120 Hz (A) | 20 kHz (A) | |
| 10 Vdc (13 Vdc Surge) | | | | | | |
| 12000 | 381LQ123M010H012 | 0.076 | 0.065 | 2.20 | 2.53 | 22 x 25 |
| 18000 | 381LQ183M010H022 | 0.051 | 0.043 | 2.40 | 2.76 | 22 x 30 |
| 18000 | 381LQ183M010H012 | 0.051 | 0.043 | 2.40 | 2.76 | 25 x 25 |
| 22000 | 381LQ223M010H032 | 0.041 | 0.035 | 2.60 | 2.99 | 22 x 35 |
| 22000 | 381LQ223M010J022 | 0.041 | 0.035 | 2.60 | 2.99 | 25 x 30 |
| 27000 | 381LQ273M010H042 | 0.034 | 0.029 | 3.10 | 3.57 | 22 x 40 |
| 27000 | 381LQ273M010J032 | 0.034 | 0.029 | 3.10 | 3.57 | 25 x 35 |
| 27000 | 381LQ273M010K012 | 0.034 | 0.029 | 3.10 | 3.57 | 30 x 25 |
| 33000 | 381LQ333M010H452 | 0.028 | 0.023 | 3.40 | 3.91 | 22 x 45 |
| 33000 | 381LQ333M010J042 | 0.028 | 0.023 | 3.40 | 3.91 | 25 x 40 |
| 39000 | 381LQ393M010J452 | 0.026 | 0.022 | 3.70 | 4.26 | 25 x 45 |
| 39000 | 381LQ393M010K022 | 0.026 | 0.023 | 3.70 | 4.26 | 30 x 30 |
| 39000 | 381LQ393M010A012 | 0.026 | 0.022 | 3.70 | 4.26 | 35 x 25 |
| 47000 | 381LQ473M010J052 | 0.024 | 0.021 | 4.20 | 4.83 | 25 x 50 |
| 47000 | 381LQ473M010K032 | 0.024 | 0.022 | 4.20 | 4.83 | 30 x 35 |
| 47000 | 381LQ473M010A022 | 0.024 | 0.021 | 4.20 | 4.83 | 35 x 30 |
| 56000 | 381LQ563M010K042 | 0.023 | 0.021 | 5.00 | 5.75 | 30 x 40 |
| 56000 | 381LQ563M010A032 | 0.023 | 0.020 | 5.00 | 5.75 | 35 x 35 |
| 68000 | 381LQ683M010K452 | 0.022 | 0.020 | 5.40 | 6.21 | 30 x 45 |
| 68000 | 381LQ683M010A042 | 0.022 | 0.019 | 5.40 | 6.21 | 35 x 40 |
| 82000 | 381LQ823M010A452 | 0.021 | 0.019 | 6.10 | 7.02 | 35 x 45 |
| 100000 | 381LQ104M010A052 | 0.020 | 0.019 | 6.90 | 7.94 | 35 x 50 |
| 16 Vdc (20 Vdc Surge) | | | | | | |
| 10000 | 381LQ103M016H012 | 0.075 | 0.063 | 2.60 | 2.99 | 22 x 25 |
| 12000 | 381LQ123M016H022 | 0.062 | 0.053 | 2.90 | 3.34 | 22 x 30 |
| 12000 | 381LQ123M016J012 | 0.062 | 0.053 | 2.90 | 3.34 | 25 x 25 |
| 15000 | 381LQ153M016H032 | 0.050 | 0.042 | 3.20 | 3.68 | 22 x 35 |
| 18000 | 381LQ183M016H042 | 0.041 | 0.035 | 3.50 | 4.03 | 22 x 40 |
| 18000 | 381LQ183M016J022 | 0.041 | 0.035 | 3.50 | 4.03 | 25 x 30 |
| 22000 | 381LQ223M016H452 | 0.034 | 0.029 | 3.80 | 4.37 | 22 x 45 |
| 22000 | 381LQ223M016J032 | 0.034 | 0.029 | 3.80 | 4.37 | 25 x 35 |
| 22000 | 381LQ223M016H012 | 0.034 | 0.029 | 3.80 | 4.37 | 30 x 25 |
| 27000 | 381LQ273M016H052 | 0.028 | 0.023 | 4.20 | 4.83 | 22 x 50 |
| 27000 | 381LQ273M016J042 | 0.028 | 0.023 | 4.20 | 4.83 | 25 x 40 |
| 27000 | 381LQ273M016K022 | 0.028 | 0.023 | 4.20 | 4.83 | 30 x 30 |
| 27000 | 381LQ273M016A012 | 0.028 | 0.023 | 4.20 | 4.83 | 35 x 25 |
| 33000 | 381LQ333M016J452 | 0.023 | 0.019 | 4.70 | 5.41 | 25 x 45 |
| 33000 | 381LQ333M016K032 | 0.023 | 0.019 | 4.70 | 5.41 | 30 x 35 |
| 33000 | 381LQ333M016A022 | 0.023 | 0.020 | 4.70 | 5.41 | 35 x 30 |
| 39000 | 381LQ393M016K042 | 0.022 | 0.018 | 5.10 | 5.87 | 30 x 40 |
| 39000 | 381LQ393M016A032 | 0.022 | 0.020 | 5.10 | 5.87 | 35 x 35 |
| 47000 | 381LQ473M016K452 | 0.016 | 0.014 | 5.50 | 6.33 | 30 x 45 |
| 47000 | 381LQ473M016A042 | 0.021 | 0.019 | 5.50 | 6.33 | 35 x 40 |
| 56000 | 381LQ563M016K052 | 0.020 | 0.018 | 6.00 | 6.90 | 30 x 50 |
| 25 Vdc (32 Vdc Surge) | | | | | | |
| 56000 | 381LQ563M016A452 | 0.020 | 0.018 | 6.00 | 6.90 | 35 x 45 |
| 6800 | 381LQ682M025H012 | 0.085 | 0.064 | 2.40 | 2.76 | 22 x 25 |
| 8200 | 381LQ822M025H022 | 0.071 | 0.053 | 2.70 | 3.11 | 22 x 30 |
| 8200 | 381LQ822M025J012 | 0.071 | 0.053 | 2.70 | 3.11 | 25 x 25 |
| 10000 | 381LQ103M025H032 | 0.058 | 0.044 | 3.00 | 3.45 | 22 x 35 |
| 12000 | 381LQ123M025H042 | 0.048 | 0.036 | 3.20 | 3.68 | 22 x 40 |
| 12000 | 381LQ123M025J022 | 0.048 | 0.036 | 3.20 | 3.68 | 25 x 30 |
| 15000 | 381LQ153M025H452 | 0.039 | 0.029 | 3.60 | 4.14 | 22 x 45 |
| 15000 | 381LQ153M025J032 | 0.039 | 0.029 | 3.60 | 4.14 | 25 x 35 |
| 15000 | 381LQ153M025K012 | 0.039 | 0.029 | 3.60 | 4.14 | 30 x 25 |
| 18000 | 381LQ183M025H052 | 0.032 | 0.024 | 3.90 | 4.49 | 22 x 50 |
| 18000 | 381LQ183M025J042 | 0.032 | 0.024 | 3.90 | 4.49 | 25 x 40 |
| 18000 | 381LQ183M025K022 | 0.032 | 0.024 | 3.90 | 4.49 | 30 x 30 |
| 18000 | 381LQ183M025A012 | 0.032 | 0.024 | 3.90 | 4.49 | 35 x 25 |
| 22000 | 381LQ223M025J452 | 0.026 | 0.020 | 4.30 | 4.95 | 25 x 45 |
| 22000 | 381LQ223M025K032 | 0.026 | 0.020 | 4.30 | 4.95 | 30 x 35 |
| 22000 | 381LQ223M025A022 | 0.026 | 0.020 | 4.30 | 4.95 | 35 x 30 |
| 27000 | 381LQ273M025K042 | 0.021 | 0.016 | 4.80 | 5.52 | 30 x 40 |
| 27000 | 381LQ273M025A032 | 0.021 | 0.016 | 4.80 | 5.52 | 35 x 35 |
| 33000 | 381LQ333M025K452 | 0.018 | 0.013 | 5.50 | 6.33 | 30 x 45 |
| 33000 | 381LQ333M025A042 | 0.018 | 0.014 | 5.50 | 6.33 | 35 x 40 |
| 39000 | 381LQ393M025K052 | 0.017 | 0.013 | 5.80 | 6.67 | 30 x 50 |
| 39000 | 381LQ393M025A452 | 0.017 | 0.014 | 5.80 | 6.67 | 35 x 45 |
| 47000 | 381LQ473M025A052 | 0.017 | 0.014 | 6.30 | 7.25 | 35 x 50 |
| 35 Vdc (44 Vdc Surge) | | | | | | |
| 4700 | 381LQ472M035H012 | 0.106 | 0.079 | 2.20 | 2.53 | 22 x 25 |
| 5600 | 381LQ562M035H022 | 0.089 | 0.067 | 2.40 | 2.76 | 22 x 30 |
| 5600 | 381LQ562M035J012 | 0.089 | 0.067 | 2.40 | 2.76 | 25 x 25 |
| 6800 | 381LQ682M035H032 | 0.073 | 0.055 | 2.60 | 2.99 | 22 x 35 |
| 8200 | 381LQ822M035H042 | 0.061 | 0.045 | 2.90 | 3.34 | 22 x 40 |
| 8200 | 381LQ822M035J022 | 0.061 | 0.045 | 2.90 | 3.34 | 25 x 30 |
| 10000 | 381LQ103M035H452 | 0.050 | 0.037 | 3.20 | 3.68 | 22 x 45 |
| 10000 | 381LQ103M035J032 | 0.050 | 0.037 | 3.20 | 3.68 | 25 x 35 |
| 10000 | 381LQ103M035K012 | 0.050 | 0.037 | 3.20 | 3.68 | 30 x 25 |
| 12000 | 381LQ123M035J042 | 0.041 | 0.031 | 3.50 | 4.03 | 25 x 40 |
| 12000 | 381LQ123M035K022 | 0.041 | 0.031 | 3.50 | 4.03 | 30 x 30 |
| 12000 | 381LQ123M035A012 | 0.041 | 0.031 | 3.50 | 4.03 | 35 x 25 |
| 15000 | 381LQ153M035J452 | 0.033 | 0.025 | 3.90 | 4.49 | 25 x 45 |
| 15000 | 381LQ153M035K032 | 0.033 | 0.025 | 3.90 | 4.49 | 30 x 35 |
| 15000 | 381LQ153M035A022 | 0.033 | 0.025 | 3.90 | 4.49 | 35 x 30 |
| 18000 | 381LQ183M035K042 | 0.028 | 0.021 | 4.30 | 4.95 | 30 x 40 |
| 18000 | 381LQ183M035A032 | 0.028 | 0.021 | 4.30 | 4.95 | 35 x 35 |
| 22000 | 381LQ223M035K452 | 0.023 | 0.017 | 5.00 | 5.75 | 30 x 45 |
| 22000 | 381LQ223M035A042 | 0.023 | 0.017 | 5.00 | 5.75 | 35 x 40 |

Type 381LQ 105 °C Compact, High Ripple, Snap-In Aluminum

Higher Capacitance per Case Size

| Cap. (µF) | Catalog Part Number | ESR Max @ 25 °C | | Ripple Amps @ 105 °C | | Nominal Size D x L (mm) |
|--------------------------------|------------------------|--------------------|-------------|-------------------------|---------------|----------------------------------|
| | | 120 Hz Ω | 20 kHz Ω | 120 Hz (A) | 20 kHz (A) | |
| 27000 | 381LQ273M035K052 | 0.018 | 0.014 | 5.30 | 6.10 | 30 x 50 |
| 27000 | 381LQ273M035A452 | 0.018 | 0.014 | 5.30 | 6.10 | 35 x 45 |
| 33000 | 381LQ333M035A052 | 0.015 | 0.012 | 5.90 | 6.79 | 35 x 50 |
| 50 Vdc (63 Vdc Surge) | | | | | | |
| 2700 | 381LQ272M050H012 | 0.154 | 0.115 | 1.80 | 2.07 | 22 x 25 |
| 3300 | 381LQ332M050H022 | 0.126 | 0.094 | 2.00 | 2.30 | 22 x 30 |
| 3900 | 381LQ392M050H032 | 0.106 | 0.080 | 2.20 | 2.53 | 22 x 35 |
| 3900 | 381LQ392M050J012 | 0.106 | 0.080 | 2.20 | 2.53 | 25 x 25 |
| 4700 | 381LQ472M050H042 | 0.088 | 0.066 | 2.50 | 2.88 | 22 x 40 |
| 4700 | 381LQ472M050J022 | 0.088 | 0.066 | 2.50 | 2.88 | 25 x 30 |
| 5600 | 381LQ562M050H452 | 0.074 | 0.056 | 2.80 | 3.22 | 22 x 45 |
| 5600 | 381LQ562M050J032 | 0.074 | 0.056 | 2.80 | 3.22 | 25 x 35 |
| 4700 | 381LQ472M050H042 | 0.088 | 0.066 | 2.50 | 2.88 | 22 x 40 |
| 4700 | 381LQ472M050J022 | 0.088 | 0.066 | 2.50 | 2.88 | 25 x 30 |
| 5600 | 381LQ562M050H452 | 0.074 | 0.056 | 2.80 | 3.22 | 22 x 45 |
| 5600 | 381LQ562M050J032 | 0.074 | 0.056 | 2.80 | 3.22 | 25 x 35 |
| 5600 | 381LQ562M050K012 | 0.074 | 0.056 | 2.80 | 3.22 | 30 x 25 |
| 6800 | 381LQ682M050H052 | 0.061 | 0.046 | 3.30 | 3.80 | 22 x 50 |
| 6800 | 381LQ682M050J042 | 0.061 | 0.046 | 3.30 | 3.80 | 25 x 40 |
| 6800 | 381LQ682M050K022 | 0.061 | 0.046 | 3.30 | 3.80 | 30 x 30 |
| 6800 | 381LQ682M050A012 | 0.061 | 0.046 | 3.30 | 3.80 | 35 x 25 |
| 8200 | 381LQ822M050J452 | 0.051 | 0.038 | 3.60 | 4.14 | 25 x 45 |
| 8200 | 381LQ822M050K032 | 0.051 | 0.038 | 3.60 | 4.14 | 30 x 35 |
| 10000 | 381LQ103M050J052 | 0.041 | 0.031 | 4.00 | 4.60 | 25 x 50 |
| 10000 | 381LQ103M050K042 | 0.041 | 0.031 | 4.00 | 4.60 | 30 x 40 |
| 10000 | 381LQ103M050A022 | 0.041 | 0.031 | 4.00 | 4.60 | 35 x 30 |
| 12000 | 381LQ123M050K452 | 0.035 | 0.026 | 4.50 | 5.18 | 30 x 45 |
| 12000 | 381LQ123M050A032 | 0.035 | 0.028 | 4.50 | 5.18 | 35 x 35 |
| 15000 | 381LQ153M050K052 | 0.028 | 0.021 | 4.80 | 5.52 | 30 x 50 |
| 15000 | 381LQ153M050A042 | 0.028 | 0.022 | 4.80 | 5.52 | 35 x 40 |
| 18000 | 381LQ183M050A452 | 0.023 | 0.018 | 5.60 | 6.44 | 35 x 45 |
| 63 Vdc (79 Vdc Surge) | | | | | | |
| 2200 | 381LQ222M063H012 | 0.151 | 0.113 | 2.00 | 2.30 | 22 x 25 |
| 2700 | 381LQ272M063H022 | 0.123 | 0.092 | 2.20 | 2.53 | 22 x 30 |
| 2700 | 381LQ272M063J012 | 0.123 | 0.092 | 2.20 | 2.53 | 25 x 25 |
| 3300 | 381LQ332M063H032 | 0.100 | 0.075 | 2.50 | 2.88 | 22 x 35 |
| 3900 | 381LQ392M063H042 | 0.085 | 0.064 | 2.70 | 3.11 | 22 x 40 |
| 3900 | 381LQ392M063J022 | 0.085 | 0.064 | 2.70 | 3.11 | 25 x 30 |
| 3900 | 381LQ392M063K012 | 0.085 | 0.064 | 2.70 | 3.11 | 30 x 25 |
| 4700 | 381LQ472M063H452 | 0.071 | 0.053 | 3.00 | 3.45 | 22 x 45 |
| 4700 | 381LQ472M063J032 | 0.071 | 0.053 | 3.00 | 3.45 | 25 x 35 |
| 5600 | 381LQ562M063H052 | 0.059 | 0.044 | 3.30 | 3.80 | 22 x 50 |
| 5600 | 381LQ562M063J042 | 0.059 | 0.044 | 3.30 | 3.80 | 25 x 40 |
| 5600 | 381LQ562M063K022 | 0.059 | 0.044 | 3.30 | 3.80 | 30 x 30 |
| 80 Vdc (100 Vdc Surge) | | | | | | |
| 1200 | 381LQ122M080H012 | 0.235 | 0.176 | 1.50 | 1.73 | 22 x 25 |
| 1500 | 381LQ152M080H022 | 0.188 | 0.141 | 1.70 | 1.96 | 22 x 30 |
| 1500 | 381LQ152M080J012 | 0.188 | 0.141 | 1.70 | 1.96 | 25 x 25 |
| 1800 | 381LQ182M080H032 | 0.157 | 0.117 | 1.80 | 2.07 | 22 x 35 |
| 2200 | 381LQ222M080H042 | 0.128 | 0.096 | 2.10 | 2.42 | 22 x 40 |
| 2200 | 381LQ222M080J022 | 0.128 | 0.096 | 2.10 | 2.42 | 25 x 30 |
| 2700 | 381LQ272M080H452 | 0.104 | 0.078 | 2.40 | 2.76 | 22 x 45 |
| 2700 | 381LQ272M080J032 | 0.104 | 0.078 | 2.40 | 2.76 | 25 x 35 |
| 2700 | 381LQ272M080K012 | 0.104 | 0.078 | 2.40 | 2.76 | 30 x 25 |
| 3300 | 381LQ332M080H052 | 0.085 | 0.064 | 2.60 | 2.99 | 22 x 50 |
| 3300 | 381LQ332M080J042 | 0.085 | 0.064 | 2.60 | 2.99 | 25 x 40 |
| 3300 | 381LQ332M080K022 | 0.085 | 0.064 | 2.60 | 2.99 | 30 x 30 |
| 3300 | 381LQ332M080A012 | 0.085 | 0.064 | 2.60 | 2.99 | 35 x 25 |
| 3900 | 381LQ392M080J452 | 0.072 | 0.054 | 3.00 | 3.45 | 25 x 45 |
| 3900 | 381LQ392M080K032 | 0.072 | 0.054 | 3.00 | 3.45 | 30 x 35 |
| 4700 | 381LQ472M080J052 | 0.060 | 0.045 | 3.30 | 3.80 | 25 x 50 |
| 4700 | 381LQ472M080K042 | 0.060 | 0.045 | 3.30 | 3.80 | 30 x 40 |
| 4700 | 381LQ472M080A022 | 0.060 | 0.045 | 3.30 | 3.80 | 35 x 30 |
| 5600 | 381LQ562M080K452 | 0.050 | 0.038 | 3.70 | 4.26 | 30 x 45 |
| 5600 | 381LQ562M080A032 | 0.050 | 0.038 | 3.70 | 4.26 | 35 x 35 |
| 6800 | 381LQ682M080K052 | 0.041 | 0.031 | 3.90 | 4.49 | 30 x 50 |
| 6800 | 381LQ682M080A042 | 0.041 | 0.032 | 3.90 | 4.49 | 35 x 40 |
| 8200 | 381LQ822M080A452 | 0.034 | 0.027 | 4.50 | 5.18 | 35 x 45 |
| 100 Vdc (125 Vdc Surge) | | | | | | |
| 820 | 381LQ821M100H012 | 0.303 | 0.197 | 1.40 | 1.61 | 22 x 25 |
| 1200 | 381LQ122M100H022 | 0.207 | 0.135 | 1.80 | 2.07 | 22 x 30 |
| 1200 | 381LQ122M100J012 | 0.207 | 0.135 | 1.80 | 2.07 | 25 x 25 |
| 1500 | 381LQ152M100H032 | 0.166 | 0.108 | 2.10 | 2.42 | 22 x 35 |
| 1500 | 381LQ152M100J022 | 0.166 | 0.108 | 2.10 | 2.42 | 25 x 30 |
| 1800 | 381LQ182M100H042 | 0.138 | 0.090 | 2.30 | 2.65 | 22 x 40 |
| 1800 | 381LQ182M100J032 | 0.138 | 0.090 | 2.30 | 2.65 | 25 x 35 |
| 1800 | 381LQ182M100K012 | 0.138 | 0.090 | 2.30 | 2.65 | 30 x 25 |

Type 381LQ 105 °C Compact, High Ripple, Snap-In Aluminum

Higher Capacitance per Case Size

| Cap. (µF) | Catalog Part Number | ESR Max @ 25 °C | | Ripple Amps @ 105 °C | | Nominal Size D x L (mm) |
|--------------------------------|------------------------|--------------------|-------------|-------------------------|---------------|----------------------------------|
| | | 120 Hz Ω | 20 kHz Ω | 120 Hz (A) | 20 kHz (A) | |
| 100 Vdc (125 Vdc Surge) | | | | | | |
| 2200 | 381LQ222M100H452 | 0.113 | 0.073 | 2.60 | 2.99 | 22 x 45 |
| 2200 | 381LQ222M100J042 | 0.113 | 0.073 | 2.60 | 2.99 | 25 x 40 |
| 2200 | 381LQ222M100K022 | 0.113 | 0.073 | 2.60 | 2.99 | 30 x 30 |
| 2200 | 381LQ222M100A012 | 0.113 | 0.073 | 2.60 | 2.99 | 35 x 25 |
| 2700 | 381LQ272M100J452 | 0.092 | 0.060 | 2.90 | 3.34 | 25 x 45 |
| 2700 | 381LQ272M100K032 | 0.092 | 0.060 | 2.90 | 3.34 | 30 x 35 |
| 3300 | 381LQ332M100J052 | 0.075 | 0.049 | 3.20 | 3.68 | 25 x 50 |
| 3300 | 381LQ332M100K042 | 0.075 | 0.049 | 3.20 | 3.68 | 30 x 40 |
| 3300 | 381LQ332M100A022 | 0.075 | 0.049 | 3.20 | 3.68 | 35 x 30 |
| 3900 | 381LQ392M100K452 | 0.064 | 0.043 | 3.60 | 4.14 | 30 x 45 |
| 3900 | 381LQ392M100A032 | 0.064 | 0.043 | 3.60 | 4.14 | 35 x 35 |
| 4700 | 381LQ472M100K052 | 0.053 | 0.038 | 3.80 | 4.37 | 30 x 50 |
| 4700 | 381LQ472M100A042 | 0.053 | 0.037 | 3.80 | 4.37 | 35 x 40 |
| 5600 | 381LQ562M100A452 | 0.044 | 0.031 | 4.20 | 4.83 | 35 x 45 |
| 6800 | 381LQ682M100A052 | 0.037 | 0.027 | 4.70 | 5.41 | 35 x 50 |
| 160 Vdc (200 Vdc Surge) | | | | | | |
| 470 | 381LQ471M160H012 | 0.423 | 0.190 | 1.40 | 1.96 | 22 x 25 |
| 560 | 381LQ561M160H022 | 0.355 | 0.160 | 1.50 | 2.10 | 22 x 30 |
| 680 | 381LQ681M160H022 | 0.293 | 0.132 | 1.70 | 2.38 | 22 x 30 |
| 680 | 381LQ681M160J012 | 0.293 | 0.132 | 1.70 | 2.38 | 25 x 25 |
| 820 | 381LQ821M160H032 | 0.243 | 0.109 | 2.00 | 2.80 | 22 x 35 |
| 820 | 381LQ821M160J022 | 0.243 | 0.109 | 2.00 | 2.80 | 25 x 30 |
| 1000 | 381LQ102M160H042 | 0.199 | 0.090 | 2.20 | 3.08 | 22 x 40 |
| 1000 | 381LQ102M160J032 | 0.199 | 0.090 | 2.20 | 3.08 | 25 x 35 |
| 1000 | 381LQ102M160K012 | 0.216 | 0.108 | 2.20 | 3.08 | 30 x 25 |
| 1200 | 381LQ122M160H452 | 0.166 | 0.075 | 2.30 | 3.22 | 22 x 45 |
| 1200 | 381LQ122M160J042 | 0.166 | 0.075 | 2.30 | 3.22 | 25 x 40 |
| 1200 | 381LQ122M160K022 | 0.166 | 0.075 | 2.30 | 3.22 | 30 x 30 |
| 1200 | 381LQ122M160A012 | 0.180 | 0.090 | 2.30 | 3.22 | 35 x 25 |
| 1500 | 381LQ152M160J452 | 0.133 | 0.060 | 2.50 | 3.50 | 25 x 45 |
| 1500 | 381LQ152M160K032 | 0.133 | 0.060 | 2.50 | 3.50 | 30 x 35 |
| 1500 | 381LQ152M160A022 | 0.155 | 0.077 | 2.50 | 3.50 | 35 x 30 |
| 1800 | 381LQ182M160J052 | 0.110 | 0.055 | 2.70 | 3.78 | 25 x 50 |
| 1800 | 381LQ182M160K042 | 0.110 | 0.055 | 2.70 | 3.78 | 30 x 40 |
| 1800 | 381LQ182M160A022 | 0.120 | 0.060 | 2.70 | 3.78 | 35 x 30 |
| 2200 | 381LQ222M160K452 | 0.090 | 0.045 | 2.90 | 4.06 | 30 x 45 |
| 2200 | 381LQ222M160A032 | 0.098 | 0.049 | 2.90 | 4.06 | 35 x 35 |
| 2700 | 381LQ272M160K052 | 0.080 | 0.040 | 3.10 | 4.34 | 30 x 50 |
| 2700 | 381LQ272M160A042 | 0.086 | 0.043 | 3.10 | 4.34 | 35 x 40 |
| 3300 | 381LQ332M160A052 | 0.070 | 0.042 | 3.30 | 4.62 | 35 x 50 |
| 180 Vdc (225 Vdc Surge) | | | | | | |
| 560 | 381LQ561M180H022 | 0.355 | 0.160 | 1.50 | 2.10 | 22 x 30 |
| 560 | 381LQ561M180J012 | 0.355 | 0.160 | 1.50 | 2.10 | 25 x 25 |

| Cap. (µF) | Catalog Part Number | ESR Max @ 25 °C | | Ripple Amps @ 105 °C | | Nominal Size D x L (mm) |
|--------------------------------|------------------------|--------------------|-------------|-------------------------|---------------|----------------------------------|
| | | 120 Hz Ω | 20 kHz Ω | 120 Hz (A) | 20 kHz (A) | |
| 180 Vdc (225 Vdc Surge) | | | | | | |
| 680 | 381LQ681M180H032 | 0.293 | 0.132 | 1.70 | 2.38 | 22 x 35 |
| 680 | 381LQ681M180J022 | 0.293 | 0.132 | 1.70 | 2.38 | 25 x 30 |
| 820 | 381LQ821M180H042 | 0.243 | 0.109 | 2.00 | 2.80 | 22 x 40 |
| 820 | 381LQ821M180J022 | 0.243 | 0.109 | 2.00 | 2.80 | 25 x 30 |
| 820 | 381LQ821M180K012 | 0.243 | 0.109 | 2.00 | 2.80 | 30 x 25 |
| 1000 | 381LQ102M180H452 | 0.199 | 0.090 | 2.20 | 3.08 | 22 x 45 |
| 1000 | 381LQ102M180J042 | 0.199 | 0.090 | 2.20 | 3.08 | 25 x 40 |
| 1000 | 381LQ102M180K022 | 0.199 | 0.090 | 2.20 | 3.08 | 30 x 30 |
| 1000 | 381LQ102M180A012 | 0.216 | 0.097 | 2.20 | 3.08 | 35 x 25 |
| 1200 | 381LQ122M180J452 | 0.166 | 0.075 | 2.30 | 3.22 | 25 x 45 |
| 1200 | 381LQ122M180K032 | 0.166 | 0.075 | 2.30 | 3.22 | 30 x 35 |
| 1500 | 381LQ152M180J052 | 0.133 | 0.060 | 2.50 | 3.50 | 25 x 50 |
| 1500 | 381LQ152M180K042 | 0.133 | 0.060 | 2.50 | 3.50 | 30 x 40 |
| 1500 | 381LQ152M180A022 | 0.155 | 0.077 | 2.50 | 3.50 | 35 x 30 |
| 1800 | 381LQ182M180K452 | 0.110 | 0.050 | 2.70 | 3.78 | 30 x 45 |
| 1800 | 381LQ182M180A032 | 0.129 | 0.064 | 2.70 | 3.78 | 35 x 35 |
| 2200 | 381LQ222M180K052 | 0.090 | 0.041 | 2.90 | 4.06 | 30 x 50 |
| 2200 | 381LQ222M180A042 | 0.098 | 0.049 | 2.90 | 4.06 | 35 x 40 |
| 2700 | 381LQ272M180A052 | 0.086 | 0.043 | 3.10 | 4.34 | 35 x 50 |
| 200 Vdc (250 Vdc Surge) | | | | | | |
| 390 | 381LQ391M200H012 | 0.510 | 0.230 | 1.31 | 1.83 | 22 x 25 |
| 470 | 381LQ471M200H022 | 0.423 | 0.190 | 1.45 | 2.03 | 22 x 30 |
| 560 | 381LQ561M200H022 | 0.355 | 0.160 | 1.67 | 2.34 | 22 x 30 |
| 680 | 381LQ681M200H042 | 0.293 | 0.132 | 1.75 | 2.45 | 22 x 40 |
| 680 | 381LQ681M200J022 | 0.293 | 0.132 | 1.75 | 2.45 | 25 x 30 |
| 820 | 381LQ821M200H452 | 0.243 | 0.109 | 2.04 | 2.86 | 22 x 45 |
| 820 | 381LQ821M200J032 | 0.243 | 0.109 | 2.04 | 2.86 | 25 x 35 |
| 820 | 381LQ821M200K012 | 0.243 | 0.109 | 2.04 | 2.86 | 30 x 25 |
| 1000 | 381LQ102M200H052 | 0.199 | 0.090 | 2.30 | 3.22 | 22 x 50 |
| 1000 | 381LQ102M200J042 | 0.199 | 0.090 | 2.10 | 2.90 | 25 x 40 |
| 1000 | 381LQ102M200J452 | 0.199 | 0.090 | 2.30 | 3.22 | 25 x 45 |
| 1000 | 381LQ102M200K022 | 0.199 | 0.090 | 2.30 | 3.22 | 30 x 30 |
| 1000 | 381LQ102M200A012 | 0.216 | 0.097 | 2.30 | 3.22 | 35 x 25 |
| 1200 | 381LQ122M200J452 | 0.166 | 0.075 | 2.40 | 3.30 | 25 x 45 |
| 1200 | 381LQ122M200J052 | 0.166 | 0.075 | 2.65 | 3.71 | 25 x 50 |
| 1200 | 381LQ122M200K032 | 0.166 | 0.075 | 2.65 | 3.71 | 30 x 35 |
| 1200 | 381LQ122M200A022 | 0.180 | 0.090 | 2.65 | 3.71 | 35 x 30 |
| 1500 | 381LQ152M200K042 | 0.133 | 0.060 | 2.80 | 3.92 | 30 x 40 |
| 1500 | 381LQ152M200A022 | 0.114 | 0.072 | 2.80 | 3.92 | 35 x 30 |
| 1800 | 381LQ182M200K452 | 0.110 | 0.050 | 3.08 | 4.31 | 30 x 45 |
| 1800 | 381LQ182M200A042 | 0.129 | 0.084 | 3.08 | 4.31 | 35 x 40 |
| 2200 | 381LQ222M200K052 | 0.090 | 0.041 | 3.48 | 4.87 | 30 x 50 |
| 2200 | 381LQ222M200A452 | 0.096 | 0.044 | 3.48 | 4.87 | 35 x 45 |

Type 381LQ 105 °C Compact, High Ripple, Snap-In Aluminum

Higher Capacitance per Case Size

| Cap. (µF) | Catalog Part Number | ESR Max @ 25 °C | | Ripple Amps @ 105 °C | | Nominal Size D x L (mm) |
|--------------------------------|------------------------|--------------------|-------------|-------------------------|---------------|----------------------------------|
| | | 120 Hz Ω | 20 kHz Ω | 120 Hz (A) | 20 kHz (A) | |
| 250 Vdc (300 Vdc Surge) | | | | | | |
| 270 | 381LQ271M250H012 | 0.614 | 0.276 | 1.10 | 1.54 | 22 x 25 |
| 330 | 381LQ331M250H022 | 0.502 | 0.226 | 1.20 | 1.68 | 22 x 30 |
| 330 | 381LQ331M250J012 | 0.502 | 0.226 | 1.20 | 1.68 | 25 x 25 |
| 390 | 381LQ391M250H022 | 0.425 | 0.191 | 1.20 | 1.70 | 22 x 30 |
| 390 | 381LQ391M250H032 | 0.425 | 0.191 | 1.30 | 1.82 | 22 x 35 |
| 390 | 381LQ391M250J012 | 0.425 | 0.191 | 1.30 | 1.82 | 25 x 25 |
| 470 | 381LQ471M250H032 | 0.353 | 0.159 | 1.30 | 1.82 | 22 x 35 |
| 470 | 381LQ471M250H042 | 0.353 | 0.159 | 1.40 | 1.96 | 22 x 40 |
| 470 | 381LQ471M250J022 | 0.353 | 0.159 | 1.40 | 1.96 | 25 x 30 |
| 470 | 381LQ471M250K012 | 0.353 | 0.159 | 1.40 | 1.96 | 30 x 25 |
| 560 | 381LQ561M250H042 | 0.296 | 0.133 | 1.40 | 1.96 | 22 x 40 |
| 560 | 381LQ561M250H452 | 0.296 | 0.133 | 1.50 | 2.10 | 22 x 45 |
| 560 | 381LQ561M250J032 | 0.296 | 0.133 | 1.50 | 2.10 | 25 x 35 |
| 560 | 381LQ561M250K012 | 0.296 | 0.133 | 1.50 | 2.10 | 30 x 25 |
| 680 | 381LQ681M250H452 | 0.244 | 0.110 | 1.50 | 2.10 | 22 x 45 |
| 680 | 381LQ681M250H052 | 0.244 | 0.110 | 1.70 | 2.38 | 22 x 50 |
| 680 | 381LQ681M250J042 | 0.244 | 0.110 | 1.70 | 2.38 | 25 x 40 |
| 680 | 381LQ681M250K022 | 0.244 | 0.110 | 1.70 | 2.38 | 30 x 30 |
| 680 | 381LQ681M250A012 | 0.244 | 0.110 | 1.70 | 2.38 | 35 x 25 |
| 820 | 381LQ821M250J452 | 0.202 | 0.091 | 2.00 | 2.80 | 25 x 45 |
| 820 | 381LQ821M250K032 | 0.202 | 0.091 | 2.00 | 2.80 | 30 x 35 |
| 820 | 381LQ821M250A022 | 0.202 | 0.091 | 2.00 | 2.80 | 35 x 30 |
| 1000 | 381LQ102M250J052 | 0.166 | 0.075 | 2.20 | 3.08 | 25 x 50 |
| 1000 | 381LQ102M250K042 | 0.166 | 0.075 | 2.20 | 3.08 | 30 x 40 |
| 1000 | 381LQ102M250A022 | 0.166 | 0.075 | 2.20 | 3.08 | 35 x 30 |
| 1200 | 381LQ122M250K452 | 0.138 | 0.062 | 2.30 | 3.22 | 30 x 45 |
| 1200 | 381LQ122M250A032 | 0.138 | 0.062 | 2.30 | 3.22 | 35 x 35 |
| 1500 | 381LQ152M250A452 | 0.110 | 0.050 | 2.50 | 3.50 | 35 x 45 |
| 1800 | 381LQ182M250A452 | 0.092 | 0.041 | 2.50 | 3.50 | 35 x 45 |
| 1800 | 381LQ182M250A052 | 0.092 | 0.041 | 2.70 | 3.78 | 35 x 50 |
| 315 Vdc (365 Vdc Surge) | | | | | | |
| 150 | 381LQ151M315H012 | 1.105 | 0.497 | 0.82 | 1.15 | 22 x 25 |
| 180 | 381LQ181M315H022 | 0.921 | 0.414 | 0.90 | 1.26 | 22 x 30 |
| 220 | 381LQ221M315H022 | 0.754 | 0.339 | 1.00 | 1.40 | 22 x 30 |
| 270 | 381LQ271M315J022 | 0.614 | 0.276 | 1.10 | 1.54 | 25 x 30 |
| 330 | 381LQ331M315H452 | 0.502 | 0.226 | 1.20 | 1.68 | 22 x 45 |
| 330 | 381LQ331M315J032 | 0.502 | 0.226 | 1.20 | 1.68 | 25 x 35 |
| 330 | 381LQ331M315K012 | 0.502 | 0.226 | 1.20 | 1.68 | 30 x 25 |
| 390 | 381LQ391M315J042 | 0.425 | 0.191 | 1.30 | 1.82 | 25 x 40 |
| 390 | 381LQ391M315K022 | 0.425 | 0.191 | 1.30 | 1.82 | 30 x 30 |
| 390 | 381LQ391M315A012 | 0.425 | 0.191 | 1.30 | 1.82 | 35 x 25 |
| 470 | 381LQ471M315J452 | 0.353 | 0.159 | 1.40 | 1.96 | 25 x 45 |
| 470 | 381LQ471M315K032 | 0.353 | 0.159 | 1.40 | 1.96 | 30 x 35 |
| 350 Vdc (400 Vdc Surge) | | | | | | |
| 120 | 381LQ121M350H012 | 1.382 | 0.622 | 0.75 | 1.05 | 22 x 25 |
| 150 | 381LQ151M350H022 | 1.105 | 0.497 | 0.82 | 1.15 | 22 x 30 |
| 180 | 381LQ181M350H022 | 0.921 | 0.414 | 0.90 | 1.26 | 22 x 30 |
| 180 | 381LQ181M350J012 | 0.921 | 0.414 | 0.90 | 1.26 | 25 x 25 |
| 220 | 381LQ221M350H032 | 0.754 | 0.339 | 1.00 | 1.40 | 22 x 35 |
| 220 | 381LQ221M350J022 | 0.754 | 0.339 | 1.00 | 1.40 | 25 x 30 |
| 270 | 381LQ271M350J032 | 0.614 | 0.276 | 1.10 | 1.54 | 25 x 35 |
| 270 | 381LQ271M350K012 | 0.614 | 0.276 | 1.10 | 1.54 | 30 x 25 |
| 330 | 381LQ331M350J042 | 0.502 | 0.226 | 1.20 | 1.68 | 25 x 40 |
| 330 | 381LQ331M350K022 | 0.502 | 0.226 | 1.20 | 1.68 | 30 x 30 |
| 390 | 381LQ391M350J452 | 0.425 | 0.191 | 1.30 | 1.82 | 25 x 45 |
| 390 | 381LQ391M350K032 | 0.425 | 0.191 | 1.30 | 1.82 | 30 x 35 |
| 470 | 381LQ471M350J052 | 0.353 | 0.159 | 1.40 | 1.96 | 25 x 50 |
| 470 | 381LQ471M350A022 | 0.353 | 0.159 | 1.40 | 1.96 | 35 x 30 |
| 560 | 381LQ561M350K452 | 0.296 | 0.133 | 1.50 | 2.10 | 30 x 45 |
| 560 | 381LQ561M350A032 | 0.296 | 0.133 | 1.50 | 2.10 | 35 x 35 |
| 680 | 381LQ681M350K052 | 0.244 | 0.110 | 1.70 | 2.38 | 30 x 50 |
| 680 | 381LQ681M350A042 | 0.244 | 0.110 | 1.70 | 2.38 | 35 x 40 |
| 820 | 381LQ821M350A452 | 0.202 | 0.091 | 1.90 | 2.66 | 35 x 45 |
| 400 Vdc (450 Vdc Surge) | | | | | | |
| 100 | 381LQ101M400H012 | 1.824 | 0.821 | 0.70 | 0.98 | 22 x 25 |
| 120 | 381LQ121M400H022 | 1.520 | 0.684 | 0.75 | 1.05 | 22 x 30 |
| 150 | 381LQ151M400H022 | 1.216 | 0.547 | 0.88 | 1.23 | 22 x 30 |
| 180 | 381LQ181M400H032 | 1.013 | 0.458 | 0.95 | 1.33 | 22 x 35 |
| 180 | 381LQ181M400J022 | 1.013 | 0.458 | 0.95 | 1.33 | 25 x 30 |
| 220 | 381LQ221M400H042 | 0.829 | 0.373 | 1.00 | 1.40 | 22 x 45 |
| 220 | 381LQ221M400H452 | 0.829 | 0.373 | 1.10 | 1.54 | 22 x 45 |
| 220 | 381LQ221M400J032 | 0.829 | 0.373 | 1.10 | 1.54 | 25 x 35 |
| 220 | 381LQ221M400K012 | 0.829 | 0.373 | 1.10 | 1.54 | 30 x 25 |
| 270 | 381LQ271M400H452 | 0.675 | 0.304 | 1.10 | 1.54 | 22 x 45 |
| 270 | 381LQ271M400H052 | 0.675 | 0.304 | 1.22 | 1.71 | 22 x 50 |
| 270 | 381LQ271M400J042 | 0.675 | 0.304 | 1.22 | 1.71 | 25 x 40 |
| 270 | 381LQ271M400K022 | 0.675 | 0.304 | 1.22 | 1.71 | 30 x 30 |
| 270 | 381LQ271M400A012 | 0.675 | 0.304 | 1.22 | 1.71 | 35 x 25 |
| 330 | 381LQ331M400J452 | 0.553 | 0.249 | 1.44 | 2.02 | 25 x 45 |

Type 381LQ 105 °C Compact, High Ripple, Snap-In Aluminum

Higher Capacitance per Case Size

| Cap. (µF) | Catalog Part Number | ESR Max @ 25 °C | | Ripple Amps @ 105 °C | | Nominal Size D x L (mm) |
|--------------------------------|------------------------|--------------------|-------------|-------------------------|---------------|----------------------------------|
| | | 120 Hz Ω | 20 kHz Ω | 120 Hz (A) | 20 kHz (A) | |
| 400 Vdc (450 Vdc Surge) | | | | | | |
| 330 | 381LQ331M400K032 | 0.553 | 0.249 | 1.44 | 2.02 | 30 x 35 |
| 330 | 381LQ331M400A022 | 0.553 | 0.249 | 1.44 | 2.02 | 35 x 30 |
| 390 | 381LQ391M400J052 | 0.468 | 0.210 | 1.55 | 2.17 | 25 x 50 |
| 390 | 381LQ391M400K032 | 0.468 | 0.210 | 1.40 | 1.95 | 30 x 35 |
| 390 | 381LQ391M400K042 | 0.468 | 0.210 | 1.55 | 2.17 | 30 x 40 |
| 390 | 381LQ391M400A022 | 0.468 | 0.210 | 1.55 | 2.17 | 35 x 30 |
| 470 | 381LQ471M400K452 | 0.388 | 0.175 | 1.68 | 2.35 | 30 x 45 |
| 470 | 381LQ471M400A032 | 0.388 | 0.175 | 1.68 | 2.35 | 35 x 35 |
| 560 | 381LQ561M400K052 | 0.326 | 0.147 | 1.90 | 2.66 | 30 x 50 |
| 560 | 381LQ561M400A042 | 0.326 | 0.147 | 1.90 | 2.66 | 35 x 40 |
| 680 | 381LQ681M400A452 | 0.268 | 0.121 | 2.12 | 2.97 | 35 x 45 |
| 820 | 381LQ821M400A052 | 0.200 | 0.090 | 2.30 | 3.20 | 35 x 50 |
| 420 Vdc (470 Vdc Surge) | | | | | | |
| 120 | 381LQ121M420H022 | 1.520 | 0.684 | 0.75 | 1.05 | 22 x 30 |
| 120 | 381LQ121M420J012 | 1.520 | 0.684 | 0.75 | 1.05 | 25 x 25 |
| 150 | 381LQ151M420H032 | 1.220 | 0.550 | 0.85 | 1.20 | 22 x 35 |
| 180 | 381LQ181M420H042 | 1.100 | 0.460 | 0.90 | 1.30 | 22 x 40 |
| 180 | 381LQ181M420J022 | 1.100 | 0.460 | 0.90 | 1.30 | 25 x 30 |
| 220 | 381LQ221M420H452 | 0.830 | 0.370 | 1.05 | 1.50 | 22 x 45 |
| 220 | 381LQ221M420J032 | 0.830 | 0.370 | 1.05 | 1.50 | 25 x 35 |
| 220 | 381LQ221M420K012 | 0.830 | 0.370 | 1.05 | 1.50 | 30 x 25 |
| 270 | 381LQ271M420H052 | 0.675 | 0.305 | 1.20 | 1.70 | 22 x 50 |
| 270 | 381LQ271M420J042 | 0.675 | 0.305 | 1.20 | 1.70 | 25 x 40 |
| 270 | 381LQ271M420K022 | 0.675 | 0.305 | 1.20 | 1.70 | 30 x 30 |
| 270 | 381LQ271M420A012 | 0.675 | 0.305 | 1.20 | 1.70 | 35 x 25 |
| 330 | 381LQ331M420J052 | 0.550 | 0.250 | 1.40 | 2.00 | 25 x 50 |
| 330 | 381LQ331M420K032 | 0.550 | 0.250 | 1.40 | 2.00 | 30 x 35 |
| 330 | 381LQ331M420A032 | 0.550 | 0.250 | 1.40 | 2.00 | 35 x 35 |
| 390 | 381LQ391M420K042 | 0.470 | 0.210 | 1.55 | 2.15 | 30 x 40 |
| 390 | 381LQ391M420A032 | 0.470 | 0.210 | 1.55 | 2.15 | 35 x 35 |
| 470 | 381LQ471M420K452 | 0.390 | 0.175 | 1.70 | 2.40 | 30 x 45 |
| 470 | 381LQ471M420A032 | 0.390 | 0.175 | 1.70 | 2.40 | 35 x 35 |
| 560 | 381LQ561M420K052 | 0.330 | 0.150 | 1.90 | 2.65 | 30 x 50 |

| Cap. (µF) | Catalog Part Number | ESR Max @ 25 °C | | Ripple Amps @ 105 °C | | Nominal Size D x L (mm) |
|--------------------------------|------------------------|--------------------|-------------|-------------------------|---------------|----------------------------------|
| | | 120 Hz Ω | 20 kHz Ω | 120 Hz (A) | 20 kHz (A) | |
| 420 Vdc (470 Vdc Surge) | | | | | | |
| 560 | 381LQ561M420A452 | 0.330 | 0.150 | 1.90 | 2.65 | 35 x 45 |
| 680 | 381LQ681M420A052 | 0.270 | 0.120 | 2.10 | 2.95 | 35 x 50 |
| 450 Vdc (500 Vdc Surge) | | | | | | |
| 100 | 381LQ101M450H022 | 1.824 | 0.821 | 0.64 | 0.90 | 22 x 30 |
| 100 | 381LQ101M450J012 | 1.824 | 0.821 | 0.64 | 0.90 | 25 x 25 |
| 120 | 381LQ121M450H032 | 1.520 | 0.684 | 0.72 | 1.01 | 22 x 35 |
| 120 | 381LQ121M450J022 | 1.520 | 0.684 | 0.72 | 1.01 | 25 x 30 |
| 150 | 381LQ151M450H042 | 1.216 | 0.547 | 0.79 | 1.11 | 22 x 40 |
| 150 | 381LQ151M450J022 | 1.216 | 0.547 | 0.79 | 1.11 | 25 x 30 |
| 150 | 381LQ151M450K012 | 1.216 | 0.547 | 0.79 | 1.11 | 30 x 25 |
| 180 | 381LQ181M450H452 | 1.013 | 0.456 | 0.87 | 1.22 | 22 x 45 |
| 180 | 381LQ181M450J032 | 1.013 | 0.456 | 0.80 | 1.10 | 25 x 35 |
| 180 | 381LQ181M450J042 | 1.013 | 0.456 | 0.87 | 1.22 | 25 x 40 |
| 180 | 381LQ181M450K022 | 1.013 | 0.456 | 0.87 | 1.22 | 30 x 30 |
| 220 | 381LQ221M450H052 | 0.829 | 0.373 | 0.90 | 1.25 | 22 x 50 |
| 220 | 381LQ221M450J452 | 0.829 | 0.373 | 1.00 | 1.40 | 25 x 45 |
| 220 | 381LQ221M450K022 | 0.829 | 0.373 | 1.00 | 1.40 | 30 x 30 |
| 220 | 381LQ221M450A012 | 0.829 | 0.373 | 1.00 | 1.40 | 35 x 25 |
| 270 | 381LQ271M450J052 | 0.675 | 0.304 | 1.19 | 1.67 | 25 x 50 |
| 270 | 381LQ271M450K032 | 0.675 | 0.304 | 1.10 | 1.50 | 30 x 35 |
| 270 | 381LQ271M450K042 | 0.675 | 0.304 | 1.19 | 1.67 | 30 x 40 |
| 270 | 381LQ271M450A022 | 0.675 | 0.304 | 1.19 | 1.67 | 35 x 30 |
| 330 | 381LQ331M450K042 | 0.553 | 0.249 | 1.25 | 1.75 | 30 x 40 |
| 330 | 381LQ331M450K452 | 0.553 | 0.249 | 1.38 | 1.93 | 30 x 45 |
| 330 | 381LQ331M450A032 | 0.553 | 0.249 | 1.38 | 1.93 | 35 x 35 |
| 390 | 381LQ391M450K452 | 0.468 | 0.210 | 1.40 | 1.95 | 30 x 45 |
| 390 | 381LQ391M450A042 | 0.468 | 0.210 | 1.55 | 2.17 | 35 x 40 |
| 470 | 381LQ471M450A452 | 0.388 | 0.175 | 1.74 | 2.44 | 35 x 45 |
| 560 | 381LQ561M450A052 | 0.326 | 0.147 | 1.90 | 2.66 | 35 x 50 |
| 390 | 381LQ391M450K052 | 0.680 | 0.210 | 1.55 | 2.17 | 30 x 50 |
| 390 | 381LQ391M450A042 | 0.468 | 0.210 | 1.55 | 2.17 | 35 x 40 |
| 470 | 381LQ471M450A452 | 0.388 | 0.175 | 1.74 | 2.44 | 35 x 45 |
| 560 | 381LQ561M450A052 | 0.326 | 0.147 | 1.90 | 2.66 | 35 x 50 |

Type 381LQ 105 °C Compact, High Ripple, Snap-In Aluminum

Higher Capacitance per Case Size

Typical Performance Curves



Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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