

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 | DIAMETER | | LENGTH | | Typical |
|------|----------|--------|--------|--------|----------------|
| Code | mm | inches | mm | inches | Weight (grams) |
| 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 |
| 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 |

| 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) | |
| 56000 | 381LQ563M016A452 | 0.020 | 0.018 | 6.00 | 6.90 | 35 x 45 |
| 25 Vdc (32 Vdc Surge) | | | | | | |
| 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. (μ F) | 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 |
| 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



Компания «Океан Электроники» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Компания «Океан Электроники» является официальным дистрибьютором и эксклюзивным представителем в России одного из крупнейших производителей разъемов военного и аэрокосмического назначения «**JONHON**», а так же официальным дистрибьютором и эксклюзивным представителем в России производителя высокотехнологичных и надежных решений для передачи СВЧ сигналов «**FORSTAR**».



JONHON

«**JONHON**» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«**FORSTAR**» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели, кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



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