

LSM Series

Features

- Snap-in terminal type
- 105°C, 3,000 hours assured
- RoHS Compliance



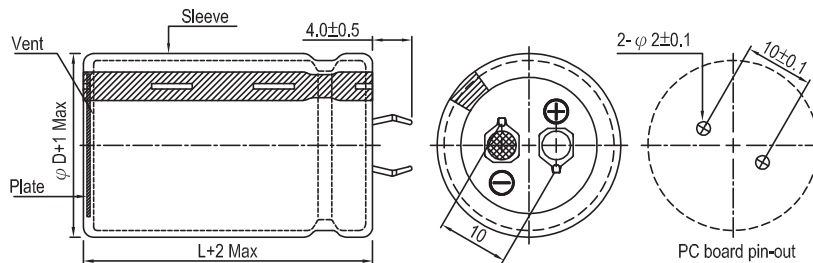
Sleeve & Marking Color: Black & White

Specifications

| Items | Performance | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--|----------------|-----------|--------------------|------------------------------|------|-----------------------------------|-----------------|------------------------|------|------|------|------|------|-----|-----|-----|-----------------|-------------------|------|------|------|------|------|------|-------|-------|-------|------|------|------|------|------|-------------------|----|----|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | 16 ~ 100V | 160 ~ 500V | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Temperature Range | -40°C ~ +105°C | -25°C ~ +105°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Capacitance Tolerance | ±20% (at 120Hz, 20°C) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leakage Current (at 20°C) | I = 3√CV or 1.5 mA whichever is smaller (after 5 minutes) Where, C = rated capacitance in µF, V = rated DC working voltage in V | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tanδ (at 120Hz, 20°C) | <table border="1"> <thead> <tr> <th>Rated Voltage</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> <th>63</th> <th>80</th> <th>100</th> <th>160</th> <th>200</th> <th>250</th> <th>350</th> <th>400</th> <th>420</th> <th>450</th> <th>500</th> </tr> </thead> <tbody> <tr> <td>Tanδ (max)</td> <td>0.50</td> <td>0.45</td> <td>0.40</td> <td>0.35</td> <td>0.30</td> <td>0.25</td> <td>0.20</td> <td>0.10*</td> <td>0.10*</td> <td>0.10*</td> <td>0.15</td> <td>0.15</td> <td>0.15</td> <td>0.15</td> <td>0.15</td> </tr> </tbody> </table> <p>*: 0.15 for φ D = 35mm</p> | | Rated Voltage | 16 | 25 | 35 | 50 | 63 | 80 | 100 | 160 | 200 | 250 | 350 | 400 | 420 | 450 | 500 | Tanδ (max) | 0.50 | 0.45 | 0.40 | 0.35 | 0.30 | 0.25 | 0.20 | 0.10* | 0.10* | 0.10* | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | | | | | | | | | | | | | | | |
| Rated Voltage | 16 | 25 | 35 | 50 | 63 | 80 | 100 | 160 | 200 | 250 | 350 | 400 | 420 | 450 | 500 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tanδ (max) | 0.50 | 0.45 | 0.40 | 0.35 | 0.30 | 0.25 | 0.20 | 0.10* | 0.10* | 0.10* | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Low Temperature Characteristics (at 120Hz) | <p>Impedance ratio shall not exceed the values given in the table below.</p> <table border="1"> <thead> <tr> <th>Rated Voltage</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> <th>63</th> <th>80</th> <th>100</th> <th>160</th> <th>200</th> <th>250</th> <th>350</th> <th>400</th> <th>420</th> <th>450</th> <th>500</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Impedance Ratio</td> <td>Z(-25°C)/Z(+20°C)</td> <td>4</td> <td>3</td> <td>3</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td>4</td> <td>4</td> <td>4</td> <td>4</td> <td>8</td> <td>8</td> <td>8</td> </tr> <tr> <td>Z(-40°C)/Z(+20°C)</td> <td>15</td> <td>10</td> <td>8</td> <td>6</td> <td>6</td> <td>6</td> <td>5</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> </tbody> </table> | | Rated Voltage | 16 | 25 | 35 | 50 | 63 | 80 | 100 | 160 | 200 | 250 | 350 | 400 | 420 | 450 | 500 | Impedance Ratio | Z(-25°C)/Z(+20°C) | 4 | 3 | 3 | 2 | 2 | 2 | 2 | 4 | 4 | 4 | 4 | 8 | 8 | 8 | Z(-40°C)/Z(+20°C) | 15 | 10 | 8 | 6 | 6 | 6 | 5 | - | - | - | - | - | - | - |
| Rated Voltage | 16 | 25 | 35 | 50 | 63 | 80 | 100 | 160 | 200 | 250 | 350 | 400 | 420 | 450 | 500 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Impedance Ratio | Z(-25°C)/Z(+20°C) | 4 | 3 | 3 | 2 | 2 | 2 | 2 | 4 | 4 | 4 | 4 | 8 | 8 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Z(-40°C)/Z(+20°C) | 15 | 10 | 8 | 6 | 6 | 6 | 5 | - | - | - | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Endurance | <table border="1"> <thead> <tr> <th>Test Time</th> <th>3,000 Hrs</th> </tr> </thead> <tbody> <tr> <td>Capacitance Change</td> <td>Within ±20% of initial value</td> </tr> <tr> <td>Tanδ</td> <td>Less than 200% of specified value</td> </tr> <tr> <td>Leakage Current</td> <td>Within specified value</td> </tr> </tbody> </table> <p>* The above specifications shall be satisfied when the capacitors are restored to 20°C after the rated voltage applied with rated ripple current for 3,000 hours at 105°C.</p> | | Test Time | 3,000 Hrs | Capacitance Change | Within ±20% of initial value | Tanδ | Less than 200% of specified value | Leakage Current | Within specified value | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Test Time | 3,000 Hrs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Capacitance Change | Within ±20% of initial value | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tanδ | Less than 200% of specified value | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leakage Current | Within specified value | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Shelf Life Test | <table border="1"> <thead> <tr> <th>Test Time</th> <th>1,000 Hrs</th> </tr> </thead> <tbody> <tr> <td>Capacitance Change</td> <td>Within ±20% of initial value</td> </tr> <tr> <td>Tanδ</td> <td>Less than 150% of specified value</td> </tr> <tr> <td>Leakage Current</td> <td>Within specified value</td> </tr> </tbody> </table> <p>* The above specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1,000 hours at 105°C without voltage applied. The rated voltage shall be applied to the capacitors before the measurements (Refer to JIS C 5101-4 4.1).</p> | | Test Time | 1,000 Hrs | Capacitance Change | Within ±20% of initial value | Tanδ | Less than 150% of specified value | Leakage Current | Within specified value | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Test Time | 1,000 Hrs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Capacitance Change | Within ±20% of initial value | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tanδ | Less than 150% of specified value | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leakage Current | Within specified value | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ripple Current and Frequency Multipliers | <table border="1"> <thead> <tr> <th>Frequency (Hz)</th> <th>50 / 60</th> <th>100 / 120</th> <th>300</th> <th>1k</th> <th>10k up</th> </tr> </thead> <tbody> <tr> <td>Multiplier</td> <td>0.8</td> <td>1.0</td> <td>1.1</td> <td>1.3</td> <td>1.4</td> </tr> </tbody> </table> | | Frequency (Hz) | 50 / 60 | 100 / 120 | 300 | 1k | 10k up | Multiplier | 0.8 | 1.0 | 1.1 | 1.3 | 1.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Frequency (Hz) | 50 / 60 | 100 / 120 | 300 | 1k | 10k up | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Multiplier | 0.8 | 1.0 | 1.1 | 1.3 | 1.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Failure percentage | ≤ 3% (During useful life) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Failure rate | Rated Voltage ≤ 100V DC: ≤ 40 fit (40×10 ⁻⁹ /h) | Rated voltage ≥ 160V DC: ≤ 70 fit (70×10 ⁻⁹ /h) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Diagram of Dimensions

Unit: mm



Snap-In

Dimension and Permissible Ripple Current

| Working Voltage V. DC | Capacitance 120Hz, 20°C μF | φ D×L mm | Ripple Current 120 Hz, 105°C A/rms | Tan δ at 120Hz, 20°C | ESR 120Hz, 20°C Ω | LC 5 minutes mA | Part Number |
|--------------------------|----------------------------------|-------------|--|-------------------------|-------------------------|-----------------------|------------------|
| 16 | 4,700 | 22 × 25 | 1.30 | 0.50 | 0.141 | 0.82 | LSM472M1C--A2225 |
| | 6,800 | 22 × 35 | 1.80 | 0.50 | 0.098 | 0.99 | LSM682M1C--A2235 |
| | 6,800 | 25 × 30 | 1.80 | 0.50 | 0.098 | 0.99 | LSM682M1C--A2530 |
| | 10,000 | 22 × 45 | 2.34 | 0.50 | 0.066 | 1.20 | LSM103M1C--A2245 |
| | 10,000 | 25 × 35 | 2.25 | 0.50 | 0.066 | 1.20 | LSM103M1C--A2535 |
| | 10,000 | 30 × 25 | 2.19 | 0.50 | 0.066 | 1.20 | LSM103M1C--A3025 |
| | 15,000 | 25 × 45 | 2.83 | 0.50 | 0.044 | 1.47 | LSM153M1C--A2545 |
| | 15,000 | 30 × 35 | 2.82 | 0.50 | 0.044 | 1.47 | LSM153M1C--A3035 |
| | 15,000 | 35 × 30 | 2.82 | 0.50 | 0.044 | 1.47 | LSM153M1C--A3530 |
| | 22,000 | 30 × 45 | 3.13 | 0.50 | 0.030 | 1.50 | LSM223M1C--A3045 |
| 22,000 | 35 × 35 | 3.09 | 0.50 | 0.030 | 1.50 | LSM223M1C--A3535 | |
| 25 | 3,300 | 22 × 25 | 1.25 | 0.45 | 0.181 | 0.86 | LSM332M1E--A2225 |
| | 4,700 | 22 × 30 | 1.61 | 0.45 | 0.127 | 1.03 | LSM472M1E--A2230 |
| | 4,700 | 25 × 25 | 1.61 | 0.45 | 0.127 | 1.03 | LSM472M1E--A2525 |
| | 6,800 | 22 × 35 | 1.91 | 0.45 | 0.088 | 1.24 | LSM682M1E--A2235 |
| | 6,800 | 25 × 30 | 1.91 | 0.45 | 0.088 | 1.24 | LSM682M1E--A2530 |
| | 6,800 | 30 × 25 | 1.91 | 0.45 | 0.088 | 1.24 | LSM682M1E--A3025 |
| | 10,000 | 22 × 45 | 2.51 | 0.45 | 0.060 | 1.50 | LSM103M1E--A2245 |
| | 10,000 | 25 × 40 | 2.42 | 0.45 | 0.060 | 1.50 | LSM103M1E--A2540 |
| | 10,000 | 30 × 30 | 2.42 | 0.45 | 0.060 | 1.50 | LSM103M1E--A3030 |
| | 10,000 | 35 × 25 | 2.42 | 0.45 | 0.060 | 1.50 | LSM103M1E--A3525 |
| | 15,000 | 25 × 45 | 3.12 | 0.45 | 0.040 | 1.50 | LSM153M1E--A2545 |
| | 15,000 | 30 × 35 | 3.11 | 0.45 | 0.040 | 1.50 | LSM153M1E--A3035 |
| | 15,000 | 35 × 30 | 3.11 | 0.45 | 0.040 | 1.50 | LSM153M1E--A3530 |
| | 22,000 | 30 × 45 | 3.85 | 0.45 | 0.027 | 1.50 | LSM223M1E--A3045 |
| | 22,000 | 35 × 40 | 3.85 | 0.45 | 0.027 | 1.50 | LSM223M1E--A3540 |
| | 35 | 2,200 | 22 × 25 | 1.14 | 0.40 | 0.241 | 0.83 |
| 2,200 | | 25 × 25 | 1.51 | 0.40 | 0.241 | 0.83 | LSM222M1V--A2525 |
| 3,300 | | 22 × 30 | 1.51 | 0.40 | 0.161 | 1.02 | LSM332M1V--A2230 |
| 3,300 | | 25 × 30 | 1.92 | 0.40 | 0.161 | 1.02 | LSM332M1V--A2530 |
| 4,700 | | 22 × 35 | 1.92 | 0.40 | 0.113 | 1.22 | LSM472M1V--A2235 |
| 4,700 | | 25 × 40 | 2.31 | 0.40 | 0.113 | 1.22 | LSM472M1V--A2540 |
| 4,700 | | 30 × 25 | 1.92 | 0.40 | 0.113 | 1.22 | LSM472M1V--A3025 |
| 6,800 | | 22 × 45 | 2.31 | 0.40 | 0.078 | 1.46 | LSM682M1V--A2245 |
| 6,800 | | 25 × 45 | 2.87 | 0.40 | 0.078 | 1.46 | LSM682M1V--A2545 |
| 6,800 | | 30 × 30 | 2.33 | 0.40 | 0.078 | 1.46 | LSM682M1V--A3030 |
| 6,800 | | 35 × 25 | 2.33 | 0.40 | 0.078 | 1.46 | LSM682M1V--A3525 |
| 10,000 | | 30 × 35 | 2.87 | 0.40 | 0.053 | 1.50 | LSM103M1V--A3035 |
| 10,000 | | 35 × 30 | 2.87 | 0.40 | 0.053 | 1.50 | LSM103M1V--A3530 |
| 15,000 | | 30 × 45 | 3.66 | 0.40 | 0.035 | 1.50 | LSM153M1V--A3045 |
| 15,000 | | 35 × 40 | 3.66 | 0.40 | 0.035 | 1.50 | LSM153M1V--A3540 |
| 22,000 | | 35 × 45 | 4.53 | 0.40 | 0.024 | 1.50 | LSM223M1V--A3545 |
| 50 | 1,500 | 22 × 25 | 1.22 | 0.35 | 0.310 | 0.82 | LSM152M1H--A2225 |
| | 2,200 | 22 × 30 | 1.59 | 0.35 | 0.211 | 0.99 | LSM222M1H--A2230 |
| | 2,200 | 25 × 25 | 1.59 | 0.35 | 0.211 | 0.99 | LSM222M1H--A2525 |
| | 3,300 | 22 × 35 | 1.93 | 0.35 | 0.141 | 1.22 | LSM332M1H--A2235 |
| | 3,300 | 25 × 30 | 1.88 | 0.35 | 0.141 | 1.22 | LSM332M1H--A2530 |
| | 3,300 | 30 × 25 | 1.88 | 0.35 | 0.141 | 1.22 | LSM332M1H--A3025 |
| | 4,700 | 22 × 45 | 2.43 | 0.35 | 0.099 | 1.45 | LSM472M1H--A2245 |
| | 4,700 | 25 × 35 | 2.34 | 0.35 | 0.099 | 1.45 | LSM472M1H--A2535 |
| | 4,700 | 30 × 30 | 2.42 | 0.35 | 0.099 | 1.45 | LSM472M1H--A3030 |
| | 4,700 | 35 × 25 | 2.42 | 0.35 | 0.099 | 1.45 | LSM472M1H--A3525 |
| | 6,800 | 25 × 45 | 3.10 | 0.35 | 0.068 | 1.50 | LSM682M1H--A2545 |
| | 6,800 | 30 × 35 | 3.10 | 0.35 | 0.068 | 1.50 | LSM682M1H--A3035 |
| | 6,800 | 35 × 30 | 3.10 | 0.35 | 0.068 | 1.50 | LSM682M1H--A3530 |
| | 10,000 | 30 × 45 | 4.18 | 0.35 | 0.046 | 1.50 | LSM103M1H--A3045 |
| | 10,000 | 35 × 40 | 4.20 | 0.35 | 0.046 | 1.50 | LSM103M1H--A3540 |
| | 63 | 1,000 | 20 × 20 | 0.90 | 0.30 | 0.398 | 0.75 |
| 1,000 | | 22 × 20 | 0.90 | 0.30 | 0.398 | 0.75 | LSM102M1J--A2220 |
| 1,200 | | 20 × 25 | 1.08 | 0.30 | 0.332 | 0.82 | LSM122M1J--A2025 |
| 1,200 | | 22 × 20 | 1.05 | 0.30 | 0.332 | 0.82 | LSM122M1J--A2220 |
| 1,500 | | 20 × 30 | 1.31 | 0.30 | 0.265 | 0.92 | LSM152M1J--A2030 |
| 1,500 | | 22 × 25 | 1.28 | 0.30 | 0.265 | 0.92 | LSM152M1J--A2225 |



Dimension and Permissible Ripple Current

| Working Voltage V. DC | Capacitance 120Hz, 20°C μF | φ D×L mm | Ripple Current 120 Hz, 105°C A/rms | Tan δ at 120Hz, 20°C | ESR 120Hz, 20°C Ω | LC 5 minutes mA | Part Number | |
|--------------------------|----------------------------------|-------------|--|-------------------------|-------------------------|-----------------------|------------------|------------------|
| 63 | 1,500 | 25 × 20 | 1.27 | 0.30 | 0.265 | 0.92 | LSM152M1J--A2520 | |
| | 2,200 | 20 × 35 | 1.70 | 0.30 | 0.181 | 1.12 | LSM222M1J--A2035 | |
| | 2,200 | 22 × 35 | 1.78 | 0.30 | 0.181 | 1.12 | LSM222M1J--A2235 | |
| | 2,200 | 25 × 25 | 1.60 | 0.30 | 0.181 | 1.12 | LSM222M1J--A2525 | |
| | 2,200 | 30 × 25 | 1.78 | 0.30 | 0.181 | 1.12 | LSM222M1J--A3025 | |
| | 2,700 | 20 × 40 | 1.82 | 0.30 | 0.147 | 1.24 | LSM272M1J--A2040 | |
| | 2,700 | 22 × 35 | 1.81 | 0.30 | 0.147 | 1.24 | LSM272M1J--A2235 | |
| | 2,700 | 25 × 30 | 1.83 | 0.30 | 0.147 | 1.24 | LSM272M1J--A2530 | |
| | 2,700 | 30 × 25 | 1.89 | 0.30 | 0.147 | 1.24 | LSM272M1J--A3025 | |
| | 3,300 | 20 × 45 | 2.00 | 0.30 | 0.121 | 1.37 | LSM332M1J--A2045 | |
| | 3,300 | 22 × 40 | 2.00 | 0.30 | 0.121 | 1.37 | LSM332M1J--A2240 | |
| | 3,300 | 25 × 35 | 2.03 | 0.30 | 0.121 | 1.37 | LSM332M1J--A2535 | |
| | 3,300 | 30 × 25 | 1.81 | 0.30 | 0.121 | 1.37 | LSM332M1J--A3025 | |
| | 3,300 | 35 × 25 | 2.03 | 0.30 | 0.121 | 1.37 | LSM332M1J--A3525 | |
| | 3,900 | 20 × 50 | 2.16 | 0.30 | 0.102 | 1.49 | LSM392M1J--A2050 | |
| | 3,900 | 22 × 50 | 2.37 | 0.30 | 0.102 | 1.49 | LSM392M1J--A2250 | |
| | 3,900 | 25 × 40 | 2.22 | 0.30 | 0.102 | 1.49 | LSM392M1J--A2540 | |
| | 3,900 | 30 × 30 | 2.19 | 0.30 | 0.102 | 1.49 | LSM392M1J--A3030 | |
| | 3,900 | 35 × 25 | 2.24 | 0.30 | 0.102 | 1.49 | LSM392M1J--A3525 | |
| | 4,700 | 25 × 45 | 2.56 | 0.30 | 0.085 | 1.50 | LSM472M1J--A2545 | |
| | 4,700 | 30 × 35 | 2.66 | 0.30 | 0.085 | 1.50 | LSM472M1J--A3035 | |
| | 4,700 | 35 × 25 | 2.46 | 0.30 | 0.085 | 1.50 | LSM472M1J--A3525 | |
| | 5,600 | 25 × 50 | 2.93 | 0.30 | 0.071 | 1.50 | LSM562M1J--A2550 | |
| | 5,600 | 30 × 35 | 2.79 | 0.30 | 0.071 | 1.50 | LSM562M1J--A3035 | |
| | 5,600 | 35 × 30 | 2.88 | 0.30 | 0.071 | 1.50 | LSM562M1J--A3530 | |
| | 6,800 | 30 × 40 | 3.25 | 0.30 | 0.059 | 1.50 | LSM682M1J--A3040 | |
| | 6,800 | 35 × 35 | 3.26 | 0.30 | 0.059 | 1.50 | LSM682M1J--A3535 | |
| | 6,800 | 35 × 40 | 3.49 | 0.30 | 0.059 | 1.50 | LSM682M1J--A3540 | |
| | 8,200 | 35 × 40 | 3.52 | 0.30 | 0.049 | 1.50 | LSM822M1J--A3540 | |
| | 80 | 1,000 | 22 × 25 | 1.05 | 0.25 | 0.332 | 0.85 | LSM102M1K--A2225 |
| | | 1,000 | 25 × 20 | 1.04 | 0.25 | 0.332 | 0.85 | LSM102M1K--A2520 |
| | | 1,200 | 20 × 30 | 1.17 | 0.25 | 0.276 | 0.93 | LSM122M1K--A2030 |
| 1,200 | | 22 × 30 | 1.24 | 0.25 | 0.276 | 0.93 | LSM122M1K--A2230 | |
| 1,200 | | 25 × 25 | 1.24 | 0.25 | 0.276 | 0.93 | LSM122M1K--A2525 | |
| 1,500 | | 20 × 40 | 1.49 | 0.25 | 0.221 | 1.04 | LSM152M1K--A2040 | |
| 1,500 | | 22 × 35 | 1.54 | 0.25 | 0.221 | 1.04 | LSM152M1K--A2235 | |
| 1,500 | | 25 × 30 | 1.54 | 0.25 | 0.221 | 1.04 | LSM152M1K--A2530 | |
| 1,500 | | 30 × 25 | 1.61 | 0.25 | 0.221 | 1.04 | LSM152M1K--A3025 | |
| 2,200 | | 20 × 50 | 1.94 | 0.25 | 0.151 | 1.26 | LSM222M1K--A2050 | |
| 2,200 | | 22 × 45 | 1.95 | 0.25 | 0.151 | 1.26 | LSM222M1K--A2245 | |
| 2,200 | | 25 × 35 | 1.94 | 0.25 | 0.151 | 1.26 | LSM222M1K--A2535 | |
| 2,200 | | 30 × 30 | 2.05 | 0.25 | 0.151 | 1.26 | LSM222M1K--A3030 | |
| 2,200 | | 35 × 25 | 2.10 | 0.25 | 0.151 | 1.26 | LSM222M1K--A3525 | |
| 3,300 | | 25 × 50 | 2.25 | 0.25 | 0.101 | 1.50 | LSM332M1K--A2550 | |
| 3,300 | | 30 × 35 | 2.24 | 0.25 | 0.101 | 1.50 | LSM332M1K--A3035 | |
| 3,300 | | 35 × 30 | 2.30 | 0.25 | 0.101 | 1.50 | LSM332M1K--A3530 | |
| 4,700 | | 30 × 45 | 2.84 | 0.25 | 0.071 | 1.50 | LSM472M1K--A3045 | |
| 4,700 | 35 × 35 | 2.80 | 0.25 | 0.071 | 1.50 | LSM472M1K--A3535 | | |
| 100 | 1,000 | 20 × 35 | 1.28 | 0.20 | 0.265 | 0.95 | LSM102M2A--A2035 | |
| | 1,000 | 22 × 30 | 1.36 | 0.20 | 0.265 | 0.95 | LSM102M2A--A2230 | |
| | 1,000 | 25 × 25 | 1.36 | 0.20 | 0.265 | 0.95 | LSM102M2A--A2525 | |
| | 1,200 | 20 × 40 | 1.49 | 0.20 | 0.221 | 1.04 | LSM122M2A--A2040 | |
| | 1,200 | 22 × 35 | 1.48 | 0.20 | 0.221 | 1.04 | LSM122M2A--A2235 | |
| | 1,200 | 25 × 30 | 1.49 | 0.20 | 0.221 | 1.04 | LSM122M2A--A2530 | |
| | 1,500 | 20 × 45 | 1.75 | 0.20 | 0.177 | 1.16 | LSM152M2A--A2045 | |
| | 1,500 | 22 × 40 | 1.82 | 0.20 | 0.177 | 1.16 | LSM152M2A--A2240 | |
| | 1,500 | 25 × 35 | 1.85 | 0.20 | 0.177 | 1.16 | LSM152M2A--A2535 | |
| | 1,500 | 30 × 25 | 1.80 | 0.20 | 0.177 | 1.16 | LSM152M2A--A3025 | |
| | 2,200 | 25 × 45 | 2.50 | 0.20 | 0.121 | 1.41 | LSM222M2A--A2545 | |
| | 2,200 | 30 × 35 | 2.50 | 0.20 | 0.121 | 1.41 | LSM222M2A--A3035 | |
| | 2,200 | 35 × 30 | 2.50 | 0.20 | 0.121 | 1.41 | LSM222M2A--A3530 | |
| | 2,700 | 25 × 50 | 2.70 | 0.20 | 0.098 | 1.50 | LSM272M2A--A2550 | |
| | 2,700 | 30 × 40 | 2.72 | 0.20 | 0.098 | 1.50 | LSM272M2A--A3040 | |
| | 2,700 | 35 × 35 | 2.82 | 0.20 | 0.098 | 1.50 | LSM272M2A--A3535 | |
| | 3,300 | 30 × 45 | 3.11 | 0.20 | 0.080 | 1.50 | LSM332M2A--A3045 | |

Snap-In



Dimension and Permissible Ripple Current

| Working Voltage V. DC | Capacitance 120Hz, 20°C μF | φ D×L mm | Ripple Current 120 Hz, 105°C A/rms | Tan δ at 120Hz, 20°C | ESR 120Hz, 20°C Ω | LC 5 minutes mA | Part Number |
|--------------------------|----------------------------------|-------------|--|-------------------------|-------------------------|-----------------------|------------------|
| 100 | 3,300 | 35 × 35 | 3.07 | 0.20 | 0.080 | 1.50 | LSM332M2A--A3535 |
| | 3,900 | 30 × 50 | 3.40 | 0.20 | 0.068 | 1.50 | LSM392M2A--A3050 |
| | 3,900 | 35 × 40 | 3.38 | 0.20 | 0.068 | 1.50 | LSM392M2A--A3540 |
| | 4,700 | 35 × 45 | 3.90 | 0.20 | 0.056 | 1.50 | LSM472M2A--A3545 |
| 160 | 180 | 20 × 20 | 0.61 | 0.10 | 0.737 | 0.51 | LSM181M2C--A2020 |
| | 220 | 20 × 25 | 0.73 | 0.10 | 0.603 | 0.56 | LSM221M2C--A2025 |
| | 220 | 22 × 20 | 0.71 | 0.10 | 0.603 | 0.56 | LSM221M2C--A2220 |
| | 270 | 20 × 25 | 0.81 | 0.10 | 0.491 | 0.62 | LSM271M2C--A2025 |
| | 270 | 25 × 20 | 0.85 | 0.10 | 0.491 | 0.62 | LSM271M2C--A2520 |
| | 330 | 20 × 30 | 0.97 | 0.10 | 0.402 | 0.69 | LSM331M2C--A2030 |
| | 330 | 22 × 25 | 0.98 | 0.10 | 0.402 | 0.69 | LSM331M2C--A2225 |
| | 330 | 25 × 20 | 0.94 | 0.10 | 0.402 | 0.69 | LSM331M2C--A2520 |
| | 390 | 20 × 30 | 1.06 | 0.10 | 0.340 | 0.75 | LSM391M2C--A2030 |
| | 390 | 22 × 25 | 1.03 | 0.10 | 0.340 | 0.75 | LSM391M2C--A2225 |
| | 390 | 25 × 25 | 1.09 | 0.10 | 0.340 | 0.75 | LSM391M2C--A2525 |
| | 470 | 20 × 35 | 1.17 | 0.10 | 0.282 | 0.82 | LSM471M2C--A2035 |
| | 470 | 22 × 30 | 1.21 | 0.10 | 0.282 | 0.82 | LSM471M2C--A2230 |
| | 470 | 25 × 25 | 1.19 | 0.10 | 0.282 | 0.82 | LSM471M2C--A2525 |
| | 560 | 20 × 40 | 1.35 | 0.10 | 0.237 | 0.90 | LSM561M2C--A2040 |
| | 560 | 22 × 35 | 1.40 | 0.10 | 0.237 | 0.90 | LSM561M2C--A2235 |
| | 560 | 25 × 30 | 1.40 | 0.10 | 0.237 | 0.90 | LSM561M2C--A2530 |
| | 560 | 30 × 25 | 1.40 | 0.10 | 0.237 | 0.90 | LSM561M2C--A3025 |
| | 680 | 20 × 45 | 1.57 | 0.10 | 0.195 | 0.99 | LSM681M2C--A2045 |
| | 680 | 22 × 40 | 1.62 | 0.10 | 0.195 | 0.99 | LSM681M2C--A2240 |
| | 680 | 25 × 35 | 1.61 | 0.10 | 0.195 | 0.99 | LSM681M2C--A2535 |
| | 680 | 30 × 25 | 1.54 | 0.10 | 0.195 | 0.99 | LSM681M2C--A3025 |
| | 820 | 22 × 45 | 1.86 | 0.10 | 0.162 | 1.09 | LSM821M2C--A2245 |
| | 820 | 25 × 40 | 1.86 | 0.10 | 0.162 | 1.09 | LSM821M2C--A2540 |
| | 820 | 30 × 30 | 1.79 | 0.10 | 0.162 | 1.09 | LSM821M2C--A3030 |
| | 820 | 35 × 25 | 1.79 | 0.15 | 0.243 | 1.09 | LSM821M2C--A3525 |
| | 1,000 | 22 × 50 | 2.18 | 0.10 | 0.133 | 1.20 | LSM102M2C--A2250 |
| | 1,000 | 25 × 45 | 2.15 | 0.10 | 0.133 | 1.20 | LSM102M2C--A2545 |
| | 1,000 | 30 × 35 | 2.09 | 0.10 | 0.133 | 1.20 | LSM102M2C--A3035 |
| | 1,000 | 35 × 25 | 1.98 | 0.15 | 0.199 | 1.20 | LSM102M2C--A3525 |
| | 1,200 | 25 × 50 | 2.35 | 0.10 | 0.111 | 1.31 | LSM122M2C--A2550 |
| | 1,200 | 30 × 40 | 2.35 | 0.10 | 0.111 | 1.31 | LSM122M2C--A3040 |
| | 1,200 | 35 × 30 | 2.29 | 0.15 | 0.166 | 1.31 | LSM122M2C--A3530 |
| 1,500 | 30 × 35 | 2.56 | 0.10 | 0.088 | 1.47 | LSM152M2C--A3035 | |
| 1,500 | 35 × 35 | 2.72 | 0.15 | 0.133 | 1.47 | LSM152M2C--A3535 | |
| 1,800 | 30 × 45 | 2.97 | 0.10 | 0.074 | 1.50 | LSM182M2C--A3045 | |
| 1,800 | 35 × 40 | 3.09 | 0.15 | 0.111 | 1.50 | LSM182M2C--A3540 | |
| 2,200 | 30 × 60 | 3.48 | 0.10 | 0.060 | 1.50 | LSM222M2C--A3060 | |
| 2,200 | 35 × 50 | 3.51 | 0.15 | 0.090 | 1.50 | LSM222M2C--A3550 | |
| 2,700 | 35 × 55 | 4.05 | 0.15 | 0.074 | 1.50 | LSM272M2C--A3555 | |
| 200 | 180 | 22 × 20 | 0.70 | 0.10 | 0.737 | 0.57 | LSM181M2D--A2220 |
| | 220 | 20 × 25 | 0.80 | 0.10 | 0.603 | 0.63 | LSM221M2D--A2025 |
| | 220 | 25 × 20 | 0.84 | 0.10 | 0.603 | 0.63 | LSM221M2D--A2520 |
| | 270 | 20 × 30 | 0.96 | 0.10 | 0.491 | 0.70 | LSM271M2D--A2030 |
| | 270 | 22 × 25 | 1.03 | 0.10 | 0.491 | 0.70 | LSM271M2D--A2225 |
| | 330 | 22 × 30 | 1.21 | 0.10 | 0.402 | 0.77 | LSM331M2D--A2230 |
| | 390 | 20 × 35 | 1.24 | 0.10 | 0.340 | 0.84 | LSM391M2D--A2035 |
| | 390 | 22 × 35 | 1.39 | 0.10 | 0.340 | 0.84 | LSM391M2D--A2235 |
| | 390 | 25 × 25 | 1.31 | 0.10 | 0.340 | 0.84 | LSM391M2D--A2525 |
| | 470 | 20 × 40 | 1.44 | 0.10 | 0.282 | 0.92 | LSM471M2D--A2040 |
| | 470 | 22 × 35 | 1.52 | 0.10 | 0.282 | 0.92 | LSM471M2D--A2235 |
| | 470 | 25 × 30 | 1.52 | 0.10 | 0.282 | 0.92 | LSM471M2D--A2530 |
| | 560 | 20 × 50 | 1.74 | 0.10 | 0.237 | 1.00 | LSM561M2D--A2050 |
| | 560 | 22 × 40 | 1.66 | 0.10 | 0.237 | 1.00 | LSM561M2D--A2240 |
| | 560 | 25 × 35 | 1.75 | 0.10 | 0.237 | 1.00 | LSM561M2D--A2535 |
| | 560 | 30 × 25 | 1.64 | 0.10 | 0.237 | 1.00 | LSM561M2D--A3025 |
| | 680 | 22 × 45 | 2.04 | 0.10 | 0.195 | 1.11 | LSM681M2D--A2245 |
| | 680 | 25 × 40 | 2.04 | 0.10 | 0.195 | 1.11 | LSM681M2D--A2540 |
| | 680 | 30 × 30 | 1.96 | 0.10 | 0.195 | 1.11 | LSM681M2D--A3030 |
| | 820 | 25 × 45 | 2.34 | 0.10 | 0.162 | 1.21 | LSM821M2D--A2545 |
| | 820 | 30 × 35 | 2.27 | 0.10 | 0.162 | 1.21 | LSM821M2D--A3035 |

Dimension and Permissible Ripple Current

| Working Voltage V. DC | Capacitance 120Hz, 20°C μF | φ D×L mm | Ripple Current 120 Hz, 105°C A/rms | Tan δ at 120Hz, 20°C | ESR 120Hz, 20°C Ω | LC 5 minutes mA | Part Number |
|--------------------------|----------------------------------|-------------|--|-------------------------|-------------------------|-----------------------|------------------|
| 200 | 820 | 35 × 25 | 1.99 | 0.15 | 0.243 | 1.21 | LSM821M2D--A3525 |
| | 1,000 | 25 × 50 | 2.26 | 0.10 | 0.133 | 1.34 | LSM102M2D--A2550 |
| | 1,000 | 30 × 40 | 2.63 | 0.10 | 0.133 | 1.34 | LSM102M2D--A3040 |
| | 1,000 | 35 × 30 | 2.51 | 0.15 | 0.199 | 1.34 | LSM102M2D--A3530 |
| | 1,200 | 30 × 45 | 3.00 | 0.10 | 0.111 | 1.47 | LSM122M2D--A3045 |
| | 1,200 | 35 × 35 | 2.92 | 0.15 | 0.166 | 1.47 | LSM122M2D--A3535 |
| | 1,500 | 30 × 50 | 3.36 | 0.10 | 0.088 | 1.50 | LSM152M2D--A3050 |
| | 1,500 | 35 × 40 | 3.34 | 0.15 | 0.133 | 1.50 | LSM152M2D--A3540 |
| | 1,800 | 30 × 60 | 3.64 | 0.10 | 0.074 | 1.50 | LSM182M2D--A3060 |
| | 1,800 | 35 × 45 | 3.51 | 0.15 | 0.111 | 1.50 | LSM182M2D--A3545 |
| 2,200 | 35 × 55 | 4.01 | 0.15 | 0.090 | 1.50 | LSM222M2D--A3555 | |
| 250 | 180 | 22 × 25 | 0.77 | 0.10 | 0.737 | 0.64 | LSM181M2E--A2225 |
| | 220 | 20 × 30 | 0.87 | 0.10 | 0.603 | 0.70 | LSM221M2E--A2030 |
| | 270 | 20 × 35 | 1.03 | 0.10 | 0.491 | 0.78 | LSM271M2E--A2035 |
| | 270 | 22 × 30 | 1.02 | 0.10 | 0.491 | 0.78 | LSM271M2E--A2230 |
| | 270 | 25 × 25 | 1.08 | 0.10 | 0.491 | 0.78 | LSM271M2E--A2525 |
| | 330 | 20 × 40 | 1.21 | 0.10 | 0.402 | 0.86 | LSM331M2E--A2040 |
| | 330 | 22 × 35 | 1.20 | 0.10 | 0.402 | 0.86 | LSM331M2E--A2235 |
| | 330 | 25 × 30 | 1.27 | 0.10 | 0.402 | 0.86 | LSM331M2E--A2530 |
| | 390 | 20 × 50 | 1.45 | 0.10 | 0.340 | 0.94 | LSM391M2E--A2050 |
| | 390 | 22 × 40 | 1.38 | 0.10 | 0.340 | 0.94 | LSM391M2E--A2240 |
| | 390 | 25 × 35 | 1.46 | 0.10 | 0.340 | 0.94 | LSM391M2E--A2535 |
| | 390 | 30 × 25 | 1.39 | 0.10 | 0.340 | 0.94 | LSM391M2E--A3025 |
| | 470 | 22 × 45 | 1.46 | 0.10 | 0.282 | 1.03 | LSM471M2E--A2245 |
| | 470 | 25 × 40 | 1.69 | 0.10 | 0.282 | 1.03 | LSM471M2E--A2540 |
| | 470 | 30 × 30 | 1.63 | 0.10 | 0.282 | 1.03 | LSM471M2E--A3030 |
| | 560 | 25 × 45 | 1.93 | 0.10 | 0.237 | 1.12 | LSM561M2E--A2545 |
| | 560 | 35 × 25 | 1.78 | 0.15 | 0.355 | 1.12 | LSM561M2E--A3525 |
| | 680 | 25 × 50 | 2.04 | 0.10 | 0.195 | 1.24 | LSM681M2E--A2550 |
| | 680 | 30 × 35 | 2.06 | 0.10 | 0.195 | 1.24 | LSM681M2E--A3035 |
| | 680 | 35 × 30 | 2.06 | 0.15 | 0.293 | 1.24 | LSM681M2E--A3530 |
| | 820 | 30 × 45 | 2.48 | 0.10 | 0.162 | 1.36 | LSM821M2E--A3045 |
| | 820 | 35 × 35 | 2.41 | 0.15 | 0.243 | 1.36 | LSM821M2E--A3535 |
| | 1,000 | 30 × 50 | 2.65 | 0.10 | 0.133 | 1.50 | LSM102M2E--A3050 |
| | 1,000 | 35 × 40 | 2.76 | 0.15 | 0.199 | 1.50 | LSM102M2E--A3540 |
| | 1,200 | 30 × 60 | 3.15 | 0.10 | 0.111 | 1.50 | LSM122M2E--A3060 |
| | 1,200 | 35 × 45 | 3.14 | 0.15 | 0.166 | 1.50 | LSM122M2E--A3545 |
| | 1,800 | 35 × 60 | 3.97 | 0.15 | 0.111 | 1.50 | LSM182M2E--A3560 |
| | 350 | 100 | 20 × 30 | 0.53 | 0.15 | 1.990 | 0.56 |
| 100 | | 22 × 25 | 0.52 | 0.15 | 1.990 | 0.56 | LSM101M2V--A2225 |
| 100 | | 25 × 20 | 0.52 | 0.15 | 1.990 | 0.56 | LSM101M2V--A2520 |
| 120 | | 20 × 35 | 0.63 | 0.15 | 1.659 | 0.61 | LSM121M2V--A2035 |
| 120 | | 22 × 30 | 0.62 | 0.15 | 1.659 | 0.61 | LSM121M2V--A2230 |
| 120 | | 25 × 25 | 0.65 | 0.15 | 1.659 | 0.61 | LSM121M2V--A2525 |
| 150 | | 20 × 40 | 0.74 | 0.15 | 1.327 | 0.69 | LSM151M2V--A2040 |
| 150 | | 22 × 35 | 0.74 | 0.15 | 1.327 | 0.69 | LSM151M2V--A2235 |
| 180 | | 20 × 45 | 0.81 | 0.15 | 1.106 | 0.75 | LSM181M2V--A2045 |
| 180 | | 22 × 40 | 0.81 | 0.15 | 1.106 | 0.75 | LSM181M2V--A2240 |
| 180 | | 25 × 30 | 0.77 | 0.15 | 1.106 | 0.75 | LSM181M2V--A2530 |
| 180 | | 30 × 25 | 0.80 | 0.15 | 1.106 | 0.75 | LSM181M2V--A3025 |
| 220 | | 20 × 50 | 0.94 | 0.15 | 0.905 | 0.83 | LSM221M2V--A2050 |
| 220 | | 22 × 45 | 0.94 | 0.15 | 0.905 | 0.83 | LSM221M2V--A2245 |
| 220 | | 25 × 35 | 0.91 | 0.15 | 0.905 | 0.83 | LSM221M2V--A2535 |
| 270 | | 22 × 50 | 1.09 | 0.15 | 0.737 | 0.92 | LSM271M2V--A2250 |
| 270 | | 25 × 40 | 1.06 | 0.15 | 0.737 | 0.92 | LSM271M2V--A2540 |
| 270 | | 30 × 30 | 1.05 | 0.15 | 0.737 | 0.92 | LSM271M2V--A3030 |
| 270 | | 35 × 25 | 1.08 | 0.15 | 0.737 | 0.92 | LSM271M2V--A3525 |
| 330 | | 25 × 45 | 1.24 | 0.15 | 0.603 | 1.02 | LSM331M2V--A2545 |
| 330 | | 30 × 35 | 1.24 | 0.15 | 0.603 | 1.02 | LSM331M2V--A3035 |
| 330 | | 35 × 30 | 1.33 | 0.15 | 0.603 | 1.02 | LSM331M2V--A3530 |
| 390 | | 30 × 40 | 1.42 | 0.15 | 0.510 | 1.11 | LSM391M2V--A3040 |
| 390 | | 35 × 30 | 1.39 | 0.15 | 0.510 | 1.11 | LSM391M2V--A3530 |
| 470 | | 30 × 45 | 1.56 | 0.15 | 0.423 | 1.22 | LSM471M2V--A3045 |
| 470 | | 35 × 35 | 1.53 | 0.15 | 0.423 | 1.22 | LSM471M2V--A3535 |
| 560 | | 30 × 50 | 1.78 | 0.15 | 0.355 | 1.33 | LSM561M2V--A3050 |



Dimension and Permissible Ripple Current

| Working Voltage V. DC | Capacitance 120Hz, 20°C μF | φ D×L mm | Ripple Current 120 Hz, 105°C A/rms | Tan δ at 120Hz, 20°C | ESR 120Hz, 20°C Ω | LC 5 minutes mA | Part Number |
|--------------------------|----------------------------------|-------------|--|-------------------------|-------------------------|-----------------------|------------------|
| 350 | 560 | 35 × 40 | 1.77 | 0.15 | 0.355 | 1.33 | LSM561M2V--A3540 |
| | 680 | 30 × 60 | 1.94 | 0.15 | 0.293 | 1.46 | LSM681M2V--A3060 |
| | 680 | 35 × 50 | 1.95 | 0.15 | 0.293 | 1.46 | LSM681M2V--A3550 |
| | 820 | 35 × 55 | 2.23 | 0.15 | 0.243 | 1.50 | LSM821M2V--A3555 |
| 400 | 56 | 22 × 20 | 0.41 | 0.15 | 3.554 | 0.45 | LSM560M2G--A2220 |
| | 68 | 22 × 25 | 0.52 | 0.15 | 2.927 | 0.49 | LSM680M2G--A2225 |
| | 68 | 25 × 20 | 0.49 | 0.15 | 2.927 | 0.49 | LSM680M2G--A2520 |
| | 82 | 20 × 30 | 0.54 | 0.15 | 2.427 | 0.54 | LSM820M2G--A2030 |
| | 100 | 20 × 35 | 0.64 | 0.15 | 1.990 | 0.60 | LSM101M2G--A2035 |
| | 100 | 22 × 30 | 0.67 | 0.15 | 1.990 | 0.60 | LSM101M2G--A2230 |
| | 120 | 20 × 40 | 0.74 | 0.15 | 1.659 | 0.66 | LSM121M2G--A2040 |
| | 120 | 22 × 35 | 0.78 | 0.15 | 1.659 | 0.66 | LSM121M2G--A2235 |
| | 120 | 25 × 25 | 0.69 | 0.15 | 1.659 | 0.66 | LSM121M2G--A2525 |
| | 150 | 20 × 45 | 0.87 | 0.15 | 1.327 | 0.73 | LSM151M2G--A2045 |
| | 150 | 22 × 40 | 0.91 | 0.15 | 1.327 | 0.73 | LSM151M2G--A2240 |
| | 150 | 25 × 30 | 0.83 | 0.15 | 1.327 | 0.73 | LSM151M2G--A2530 |
| | 150 | 30 × 25 | 0.86 | 0.15 | 1.327 | 0.73 | LSM151M2G--A3025 |
| | 180 | 22 × 45 | 1.04 | 0.15 | 1.106 | 0.80 | LSM181M2G--A2245 |
| | 180 | 25 × 35 | 0.97 | 0.15 | 1.106 | 0.80 | LSM181M2G--A2535 |
| | 220 | 22 × 50 | 1.17 | 0.15 | 0.905 | 0.89 | LSM221M2G--A2250 |
| | 220 | 25 × 40 | 1.14 | 0.15 | 0.905 | 0.89 | LSM221M2G--A2540 |
| | 220 | 30 × 30 | 1.12 | 0.15 | 0.905 | 0.89 | LSM221M2G--A3030 |
| | 220 | 35 × 25 | 1.15 | 0.15 | 0.905 | 0.89 | LSM221M2G--A3525 |
| | 270 | 25 × 50 | 1.40 | 0.15 | 0.737 | 0.99 | LSM271M2G--A2550 |
| | 270 | 30 × 35 | 1.39 | 0.15 | 0.737 | 0.99 | LSM271M2G--A3035 |
| | 270 | 35 × 30 | 1.31 | 0.15 | 0.737 | 0.99 | LSM271M2G--A3530 |
| | 330 | 30 × 40 | 1.31 | 0.15 | 0.603 | 1.09 | LSM331M2G--A3040 |
| | 330 | 35 × 30 | 1.27 | 0.15 | 0.603 | 1.09 | LSM331M2G--A3530 |
| | 390 | 30 × 45 | 1.49 | 0.15 | 0.510 | 1.18 | LSM391M2G--A3045 |
| | 390 | 35 × 35 | 1.47 | 0.15 | 0.510 | 1.18 | LSM391M2G--A3535 |
| | 470 | 30 × 50 | 1.72 | 0.15 | 0.423 | 1.30 | LSM471M2G--A3050 |
| | 470 | 35 × 40 | 1.71 | 0.15 | 0.423 | 1.30 | LSM471M2G--A3540 |
| | 560 | 30 × 60 | 2.03 | 0.15 | 0.355 | 1.42 | LSM561M2G--A3060 |
| | 560 | 35 × 45 | 2.23 | 0.15 | 0.355 | 1.42 | LSM561M2G--A3545 |
| | 680 | 35 × 55 | 2.31 | 0.15 | 0.293 | 1.50 | LSM681M2G--A3555 |
| | 820 | 35 × 60 | 2.54 | 0.15 | 0.243 | 1.50 | LSM821M2G--A3560 |
| 420 | 56 | 20 × 25 | 0.41 | 0.15 | 3.554 | 0.46 | LSM560M2P--A2025 |
| | 56 | 22 × 20 | 0.40 | 0.15 | 3.554 | 0.46 | LSM560M2P--A2220 |
| | 68 | 20 × 30 | 0.49 | 0.15 | 2.927 | 0.51 | LSM680M2P--A2030 |
| | 68 | 22 × 25 | 0.48 | 0.15 | 2.927 | 0.51 | LSM680M2P--A2225 |
| | 82 | 20 × 30 | 0.54 | 0.15 | 2.427 | 0.56 | LSM820M2P--A2030 |
| | 82 | 22 × 25 | 0.53 | 0.15 | 2.427 | 0.56 | LSM820M2P--A2225 |
| | 100 | 20 × 35 | 0.64 | 0.15 | 1.990 | 0.61 | LSM101M2P--A2035 |
| | 100 | 22 × 30 | 0.63 | 0.15 | 1.990 | 0.61 | LSM101M2P--A2230 |
| | 100 | 25 × 25 | 0.63 | 0.15 | 1.990 | 0.61 | LSM101M2P--A2525 |
| | 120 | 20 × 40 | 0.74 | 0.15 | 1.659 | 0.67 | LSM121M2P--A2040 |
| | 120 | 22 × 35 | 0.74 | 0.15 | 1.659 | 0.67 | LSM121M2P--A2235 |
| | 120 | 25 × 30 | 0.78 | 0.15 | 1.659 | 0.67 | LSM121M2P--A2530 |
| | 150 | 20 × 50 | 0.92 | 0.15 | 1.327 | 0.75 | LSM151M2P--A2050 |
| | 150 | 22 × 40 | 0.87 | 0.15 | 1.327 | 0.75 | LSM151M2P--A2240 |
| | 150 | 30 × 25 | 0.80 | 0.15 | 1.327 | 0.75 | LSM151M2P--A3025 |
| | 180 | 22 × 45 | 0.93 | 0.15 | 1.106 | 0.82 | LSM181M2P--A2245 |
| | 180 | 25 × 35 | 0.90 | 0.15 | 1.106 | 0.82 | LSM181M2P--A2535 |
| | 180 | 30 × 30 | 0.98 | 0.15 | 1.106 | 0.82 | LSM181M2P--A3030 |
| | 220 | 25 × 45 | 1.01 | 0.15 | 0.905 | 0.91 | LSM221M2P--A2545 |
| | 220 | 30 × 35 | 1.05 | 0.15 | 0.905 | 0.91 | LSM221M2P--A3035 |
| | 220 | 35 × 25 | 0.97 | 0.15 | 0.905 | 0.91 | LSM221M2P--A3525 |
| | 270 | 25 × 50 | 1.17 | 0.15 | 0.737 | 1.01 | LSM271M2P--A2550 |
| | 270 | 30 × 40 | 1.22 | 0.15 | 0.737 | 1.01 | LSM271M2P--A3040 |
| | 270 | 35 × 30 | 1.15 | 0.15 | 0.737 | 1.01 | LSM271M2P--A3530 |
| | 330 | 30 × 45 | 1.37 | 0.15 | 0.603 | 1.12 | LSM331M2P--A3045 |
| | 330 | 35 × 35 | 1.35 | 0.15 | 0.603 | 1.12 | LSM331M2P--A3535 |
| | 390 | 30 × 50 | 1.56 | 0.15 | 0.510 | 1.21 | LSM391M2P--A3050 |
| 390 | 35 × 40 | 1.55 | 0.15 | 0.510 | 1.21 | LSM391M2P--A3540 | |
| 470 | 30 × 60 | 1.76 | 0.15 | 0.423 | 1.33 | LSM471M2P--A3060 | |



Dimension and Permissible Ripple Current

| Working Voltage V. DC | Capacitance 120Hz, 20°C μF | φ D×L mm | Ripple Current 120 Hz, 105°C A/rms | Tan δ at 120Hz, 20°C | ESR 120Hz, 20°C Ω | LC 5 minutes mA | Part Number |
|--------------------------|----------------------------------|-------------|--|-------------------------|-------------------------|-----------------------|------------------|
| 420 | 470 | 35 × 45 | 1.70 | 0.15 | 0.423 | 1.33 | LSM471M2P--A3545 |
| | 560 | 35 × 50 | 1.94 | 0.15 | 0.355 | 1.45 | LSM561M2P--A3550 |
| | 680 | 35 × 60 | 2.31 | 0.15 | 0.293 | 1.50 | LSM681M2P--A3560 |
| 450 | 56 | 20 × 25 | 0.41 | 0.15 | 3.554 | 0.48 | LSM560M2W--A2025 |
| | 82 | 20 × 30 | 0.54 | 0.15 | 2.427 | 0.58 | LSM820M2W--A2030 |
| | 82 | 25 × 25 | 0.57 | 0.15 | 2.427 | 0.58 | LSM820M2W--A2525 |
| | 100 | 20 × 45 | 0.71 | 0.15 | 1.990 | 0.64 | LSM101M2W--A2045 |
| | 100 | 22 × 35 | 0.67 | 0.15 | 1.990 | 0.64 | LSM101M2W--A2235 |
| | 120 | 20 × 50 | 0.82 | 0.15 | 1.659 | 0.70 | LSM121M2W--A2050 |
| | 120 | 22 × 40 | 0.78 | 0.15 | 1.659 | 0.70 | LSM121M2W--A2240 |
| | 120 | 25 × 30 | 0.74 | 0.15 | 1.659 | 0.70 | LSM121M2W--A2530 |
| | 120 | 30 × 25 | 0.77 | 0.15 | 1.659 | 0.70 | LSM121M2W--A3025 |
| | 150 | 22 × 45 | 0.92 | 0.15 | 1.327 | 0.78 | LSM151M2W--A2245 |
| | 150 | 25 × 35 | 0.89 | 0.15 | 1.327 | 0.78 | LSM151M2W--A2535 |
| | 150 | 30 × 30 | 0.93 | 0.15 | 1.327 | 0.78 | LSM151M2W--A3030 |
| | 150 | 35 × 25 | 0.95 | 0.15 | 1.327 | 0.78 | LSM151M2W--A3525 |
| | 180 | 22 × 50 | 1.06 | 0.15 | 1.106 | 0.85 | LSM181M2W--A2250 |
| | 180 | 25 × 40 | 1.03 | 0.15 | 1.106 | 0.85 | LSM181M2W--A2540 |
| | 180 | 30 × 30 | 1.01 | 0.15 | 1.106 | 0.85 | LSM181M2W--A3030 |
| | 180 | 35 × 25 | 1.04 | 0.15 | 1.106 | 0.85 | LSM181M2W--A3525 |
| | 220 | 25 × 45 | 1.18 | 0.15 | 0.905 | 0.94 | LSM221M2W--A2545 |
| | 220 | 30 × 35 | 1.18 | 0.15 | 0.905 | 0.94 | LSM221M2W--A3035 |
| | 220 | 35 × 30 | 1.22 | 0.15 | 0.905 | 0.94 | LSM221M2W--A3530 |
| | 270 | 30 × 40 | 1.17 | 0.15 | 0.737 | 1.05 | LSM271M2W--A3040 |
| | 330 | 30 × 50 | 1.42 | 0.15 | 0.603 | 1.16 | LSM331M2W--A3050 |
| | 330 | 35 × 35 | 1.64 | 0.15 | 0.603 | 1.16 | LSM331M2W--A3535 |
| 390 | 35 × 40 | 1.54 | 0.15 | 0.510 | 1.26 | LSM391M2W--A3540 | |
| 470 | 35 × 50 | 1.85 | 0.15 | 0.423 | 1.38 | LSM471M2W--A3550 | |
| 560 | 35 × 50 | 2.02 | 0.15 | 0.355 | 1.50 | LSM561M2W--A3550 | |
| 500 | 82 | 22 × 35 | 0.68 | 0.15 | 2.427 | 0.61 | LSM820M2H--A2235 |
| | 82 | 25 × 35 | 0.73 | 0.15 | 2.427 | 0.61 | LSM820M2H--A2535 |
| | 100 | 22 × 40 | 0.79 | 0.15 | 1.990 | 0.67 | LSM101M2H--A2240 |
| | 100 | 25 × 40 | 0.85 | 0.15 | 1.990 | 0.67 | LSM101M2H--A2540 |
| | 100 | 30 × 35 | 1.20 | 0.15 | 1.990 | 0.67 | LSM101M2H--A3035 |
| | 120 | 22 × 45 | 0.91 | 0.15 | 1.659 | 0.73 | LSM121M2H--A2245 |
| | 120 | 25 × 45 | 0.98 | 0.15 | 1.659 | 0.73 | LSM121M2H--A2545 |
| | 150 | 22 × 50 | 1.07 | 0.15 | 1.327 | 0.82 | LSM151M2H--A2250 |
| | 150 | 25 × 55 | 1.20 | 0.15 | 1.327 | 0.82 | LSM151M2H--A2555 |
| | 220 | 30 × 40 | 1.40 | 0.15 | 0.905 | 0.99 | LSM221M2H--A3040 |
| | 270 | 35 × 35 | 1.61 | 0.15 | 0.737 | 1.10 | LSM271M2H--A3535 |
| | 330 | 35 × 40 | 1.88 | 0.15 | 0.603 | 1.22 | LSM331M2H--A3540 |
| | 390 | 35 × 45 | 2.15 | 0.15 | 0.510 | 1.32 | LSM391M2H--A3545 |

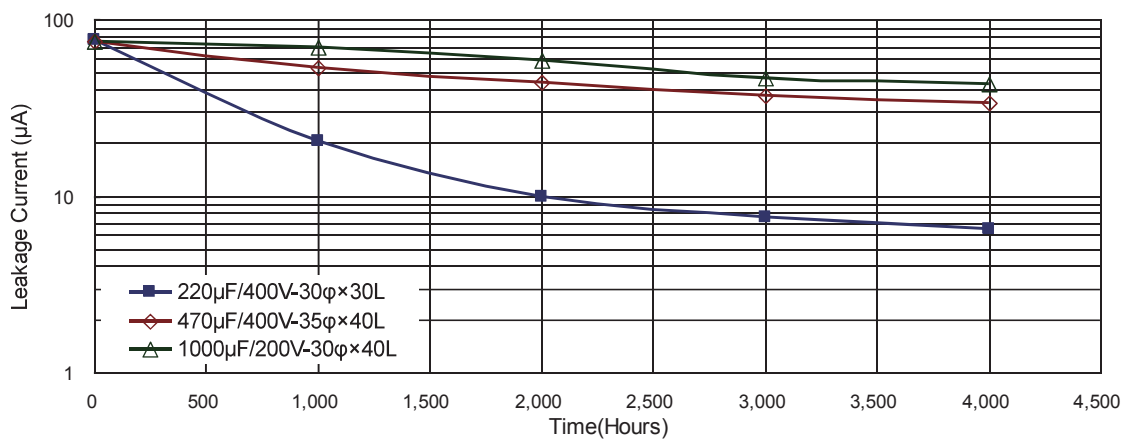
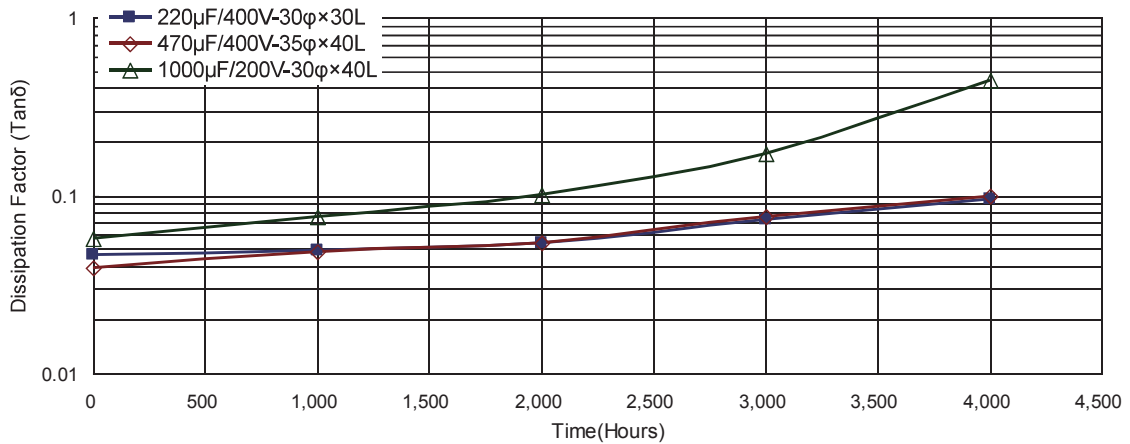
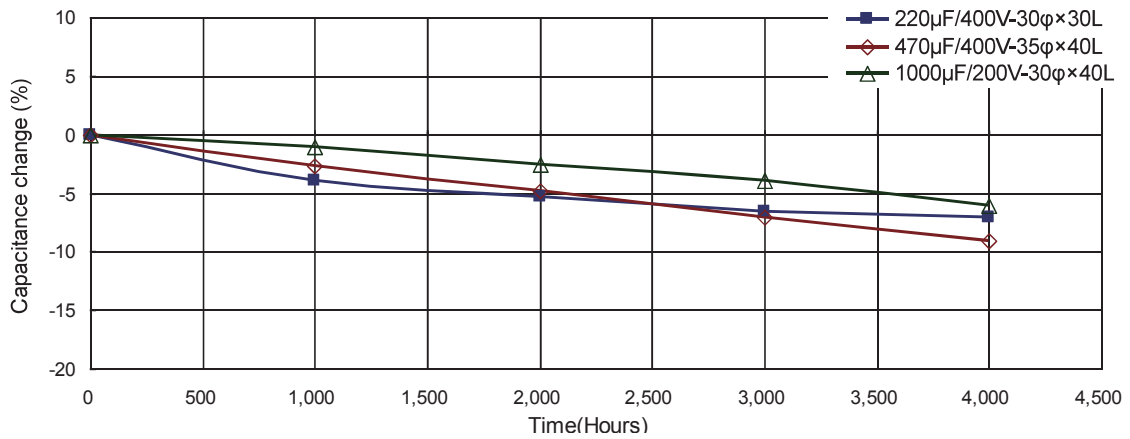
Part Numbering System

| | | | | | | | |
|-------------|-------------|-----------------------|---------------|---------------|-----------------|-------------|----------------------------------|
| LSM Series | 100μF | ±20% | 400V | -- | 4.0±0.5mm | 22 φ × 30L | Pb-free Terminal + PET Sleeve |
| LSM | 101 | M | 2G | -- | A | 2230 | |
| Series Name | Capacitance | Capacitance tolerance | Rated voltage | Terminal type | Terminal length | Case size | Terminal and Sleeve Type |
| Example: | | M = ±20% K = ±10% | Example: | Example: | "-": 6.3±1.0 mm | Example: | |
| Cap. | Symbol | | WV | Type | | φ D×L | Code |
| 56 | 560 | | 400 | 2 pins | -- | 22×30 | 2230 |
| 220 | 221 | | 450 | 5 pins | L5 | 25×25 | 2525 |
| 470 | 471 | | | | | 30×40 | 3040 |

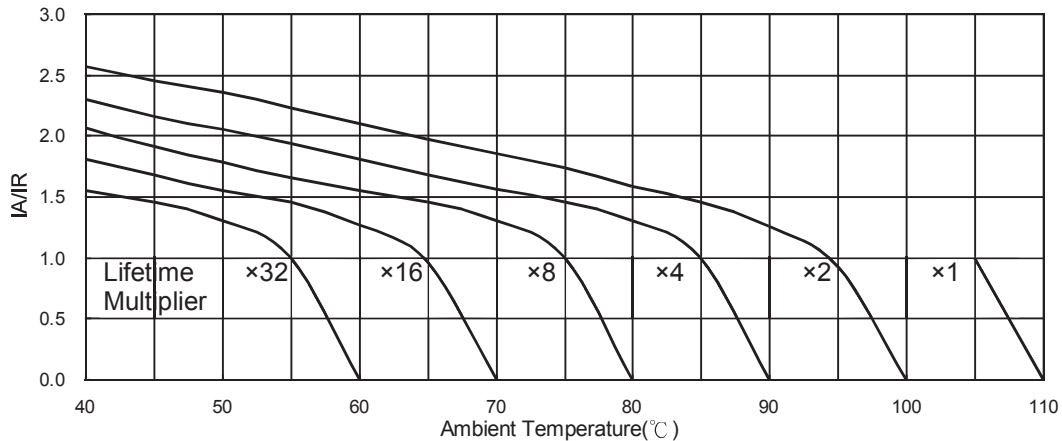
Note: For more details, please refer to "Part Numbering System (Snap-in Type)" on page 16.

Snap-in

Typical Endurance Curves



Useful Life Chart



IA: Actual ripple current IR: Rated ripple current

All product specifications in the catalog are subject to change without notice. (CAT. 2017E1)

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.);

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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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