



#### FEATURES

Multiple Case Sizes - High Voltage – High Current

#### APPLICATIONS

Bulk Filtering – Switching Power Supplies

|                                              |             |                                                                                                       |     |     |      |              |                                  |     |                  |     |     |     |     |     |     |
|----------------------------------------------|-------------|-------------------------------------------------------------------------------------------------------|-----|-----|------|--------------|----------------------------------|-----|------------------|-----|-----|-----|-----|-----|-----|
| Operating Temperature Range                  |             | -40°C to +105°C (≤100WVDC)<br>-25°C to +105°C (≥160WVDC)                                              |     |     |      |              |                                  |     |                  |     |     |     |     |     |     |
| Capacitance Tolerance                        |             | +20% at 120 Hz, 20°C                                                                                  |     |     |      |              |                                  |     |                  |     |     |     |     |     |     |
| Surge Voltage                                | WVDC        | 10                                                                                                    | 16  | 25  | 35   | 50           | 63                               | 80  | 100              | 160 | 200 | 250 | 350 | 400 | 450 |
|                                              | SVDC        | 13                                                                                                    | 20  | 32  | 44   | 63           | 79                               | 100 | 120              | 200 | 250 | 300 | 400 | 450 | 500 |
| Dissipation Factor<br>tan δ<br>(120 Hz)      | WVDC        | 10                                                                                                    | 16  | 25  | 35   | 50           | 63                               | 80  | 100              | 160 | 200 | 250 | 350 | 400 | 450 |
|                                              |             | .6                                                                                                    | .45 | .3  | .25  | .2           | .15                              | .15 | .15              | .15 | .15 | .15 | .15 | .2  | .2  |
|                                              |             | For capacitances above 33000uF, add to DF value $\frac{(\text{Capacitance}-33000)}{10000} \times 0.1$ |     |     |      |              |                                  |     |                  |     |     |     |     |     |     |
| Leakage Current<br>@20°C, Rated WVDC applied |             | Time                                                                                                  |     |     |      | 5 Minutes    |                                  |     |                  |     |     |     |     |     |     |
|                                              |             |                                                                                                       |     |     |      | $3\sqrt{CV}$ |                                  |     |                  |     |     |     |     |     |     |
| Impedance Ratio<br>(120 Hz)                  | WVDC        | 10                                                                                                    | 16  | 25  | 35   | 50           | 63                               | 80  | 100              | 160 | 200 | 250 | 350 | 400 | 450 |
|                                              | -25°C/+20°C | 6                                                                                                     | 6   | 6   | 6    | 4            | 3                                | 3   | 3                | 8   | 8   | 8   | 8   | 8   | 8   |
|                                              | -40°C/+20°C | 15                                                                                                    | 15  | 15  | 15   | 15           | 15                               | 15  |                  | -   | -   | -   | -   | -   | -   |
| Load Life                                    |             | 5000 hours at 105°C with rated WVDC and ripple current applied                                        |     |     |      |              |                                  |     |                  |     |     |     |     |     |     |
|                                              |             | Capacitance change                                                                                    |     |     |      |              | ≤20% of initial measured value   |     |                  |     |     |     |     |     |     |
|                                              |             | Dissipation factor                                                                                    |     |     |      |              | ≤200% of maximum specified value |     |                  |     |     |     |     |     |     |
|                                              |             | Leakage current                                                                                       |     |     |      |              | ≤100% of maximum specified value |     |                  |     |     |     |     |     |     |
| Shelf Life                                   |             | 1000 hours at 105°C with no voltage applied                                                           |     |     |      |              |                                  |     |                  |     |     |     |     |     |     |
|                                              |             | Capacitance Change                                                                                    |     |     |      |              | ≤20% of initial measured value   |     |                  |     |     |     |     |     |     |
|                                              |             | Dissipation Factor                                                                                    |     |     |      |              | ≤200% of maximum specified value |     |                  |     |     |     |     |     |     |
|                                              |             | Leakage Current                                                                                       |     |     |      |              | ≤100% of maximum specified value |     |                  |     |     |     |     |     |     |
| Ripple Current<br>Multipliers                |             | Frequency (Hz)                                                                                        |     |     |      |              |                                  |     | Temperature (°C) |     |     |     |     |     |     |
|                                              | WVDC        | 60                                                                                                    | 120 | 400 | 1k   | 10k          | 50k                              | 45  | 65               | 75  | 85  | 105 |     |     |     |
|                                              | ≤100        | 0.9                                                                                                   | 1.0 | 1.0 | 1.15 | 1.25         | 1.25                             | 2.4 | 2.1              | 1.9 | 1.7 | 1   |     |     |     |
|                                              | 160<V≤250   | 0.8                                                                                                   | 1.0 | 1.0 | 1.25 | 1.47         | 1.47                             | 2.4 | 2.1              | 1.9 | 1.7 | 1   |     |     |     |
|                                              | >350        | 0.8                                                                                                   | 1.0 | 1.0 | 1.3  | 1.47         | 1.47                             | 2.4 | 2.1              | 1.9 | 1.7 | 1   |     |     |     |



### Lead Style Options

|                                                                   |                                                                                                                                                                                                                             |    |    |    |    |    |    |   |    |    |    |    |    |
|-------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----|----|----|----|----|---|----|----|----|----|----|
| <p><b>Code 2(standard)</b></p> <p><b>Diameter 20 to 40 mm</b></p> | <p><b>Code W</b></p> <p><b>Diameter 20 to 40 mm</b></p>                                                                                                                                                                     |    |    |    |    |    |    |   |    |    |    |    |    |
| <p><b>Code P</b></p> <p><b>Diameter 22 to 35 mm</b></p>           | <p><b>Code D</b></p> <p><b>Diameter 30 to 40 mm</b></p>                                                                                                                                                                     |    |    |    |    |    |    |   |    |    |    |    |    |
| <p><b>Code 9</b></p> <p><b>Diameter 25 to 35 mm</b></p>           | <p><b>Code T</b></p> <p><b>Diameter 25 to 35 mm</b></p>                                                                                                                                                                     |    |    |    |    |    |    |   |    |    |    |    |    |
| <p><b>Code 4</b></p> <p><b>Diameter 35 to 45 mm</b></p>           | <p><b>Code 4S (straight leads)</b></p> <p><b>Diameter 35 to 45 mm</b></p>                                                                                                                                                   |    |    |    |    |    |    |   |    |    |    |    |    |
| <p><b>Code 5</b></p> <p><b>Diameter 40 to 50 mm</b></p>           | <p><b>Code G</b></p> <table><tr><td>D</td><td>35</td><td>40</td><td>50</td><td>63</td><td>76</td></tr><tr><td>P</td><td>14</td><td>14</td><td>18</td><td>25</td><td>25</td></tr></table> <p><b>Diameter 35 to 76 mm</b></p> | D  | 35 | 40 | 50 | 63 | 76 | P | 14 | 14 | 18 | 25 | 25 |
| D                                                                 | 35                                                                                                                                                                                                                          | 40 | 50 | 63 | 76 |    |    |   |    |    |    |    |    |
| P                                                                 | 14                                                                                                                                                                                                                          | 14 | 18 | 25 | 25 |    |    |   |    |    |    |    |    |

# LMX

+105°C, 5000 Hour

| Capacitance (μF) | WVDC | IC PART NUMBER | Maximum ESR (Ω)<br>120 Hz,<br>+20°C | Maximum RMS Ripple Current (A)<br>120 Hz,<br>+105°C | Dims DxL (mm) |
|------------------|------|----------------|-------------------------------------|-----------------------------------------------------|---------------|
| 47               | 450  | 476LMX450M2BC  | 7.0547                              | 0.39                                                | 22x25         |
| 56               | 450  | 566LMX450M2BC  | 5.9209                              | 0.42                                                | 22x25         |
| 56               | 450  | 566LMX450M2BD  | 5.9209                              | 0.46                                                | 22x30         |
| 68               | 400  | 686LMX400M2BC  | 4.8761                              | 0.47                                                | 22x25         |
| 68               | 450  | 686LMX450M2BD  | 4.8761                              | 0.5                                                 | 22x30         |
| 68               | 450  | 686LMX450M2BE  | 4.8761                              | 0.54                                                | 22x35         |
| 68               | 450  | 686LMX450M2CC  | 3.657                               | 0.5                                                 | 25x25         |
| 82               | 400  | 826LMX400M2BC  | 4.0436                              | 0.52                                                | 22x25         |
| 82               | 400  | 826LMX400M2BD  | 4.0436                              | 0.56                                                | 22x30         |
| 82               | 450  | 826LMX450M2BD  | 4.0436                              | 0.55                                                | 22x30         |
| 82               | 450  | 826LMX450M2BE  | 4.0436                              | 0.59                                                | 22x35         |
| 82               | 450  | 826LMX450M2CC  | 4.0436                              | 0.55                                                | 25x25         |
| 82               | 450  | 826LMX450M2CD  | 4.0436                              | 0.6                                                 | 25x30         |
| 100              | 400  | 107LMX400M2BD  | 3.3157                              | 0.62                                                | 22x30         |
| 100              | 400  | 107LMX400M2BE  | 3.3157                              | 0.66                                                | 22x35         |
| 100              | 400  | 107LMX400M2CC  | 3.3157                              | 0.62                                                | 25x25         |
| 100              | 400  | 107LMX400M2CD  | 3.3157                              | 0.66                                                | 25x30         |
| 100              | 450  | 107LMX450M2BE  | 3.3157                              | 0.65                                                | 22x35         |
| 100              | 450  | 107LMX450M2BF  | 3.3157                              | 0.69                                                | 22x40         |
| 100              | 450  | 107LMX450M2CD  | 3.3157                              | 0.66                                                | 25x30         |
| 100              | 450  | 107LMX450M2CE  | 3.3157                              | 0.7                                                 | 25x35         |
| 100              | 450  | 107LMX450M2DC  | 3.3157                              | 0.68                                                | 30x25         |
| 120              | 350  | 127LMX350M2BD  | 2.7631                              | 0.78                                                | 22x30         |
| 120              | 400  | 127LMX400M2BE  | 2.7631                              | 0.72                                                | 22x35         |
| 120              | 400  | 127LMX400M2BF  | 2.7631                              | 0.76                                                | 22x40         |
| 120              | 400  | 127LMX400M2CD  | 2.7631                              | 0.73                                                | 25x30         |
| 120              | 400  | 127LMX400M2CE  | 2.7631                              | 0.77                                                | 25x35         |
| 120              | 400  | 127LMX400M2DC  | 2.7631                              | 0.75                                                | 30x25         |
| 120              | 450  | 127LMX450M2BF  | 2.7631                              | 0.76                                                | 22x40         |
| 120              | 450  | 127LMX450M2BH  | 2.7631                              | 0.84                                                | 22x50         |
| 120              | 450  | 127LMX450M2CE  | 2.7631                              | 0.77                                                | 25x35         |
| 120              | 450  | 127LMX450M2CF  | 2.7631                              | 0.81                                                | 25x40         |
| 120              | 450  | 127LMX450M2DC  | 2.7631                              | 0.75                                                | 30x25         |
| 120              | 450  | 127LMX450M2DD  | 2.7631                              | 0.8                                                 | 30x30         |
| 120              | 450  | 127LMX450M2EC  | 2.7631                              | 0.82                                                | 35x25         |
| 150              | 250  | 157LMX250M2BC  | 1.6279                              | 0.69                                                | 22x25         |
| 150              | 350  | 157LMX350M2BE  | 2.2105                              | 0.9                                                 | 22x35         |
| 150              | 400  | 157LMX400M2CE  | 2.2105                              | 0.91                                                | 25x35         |
| 150              | 400  | 157LMX400M2BF  | 2.2105                              | 0.85                                                | 22x40         |
| 150              | 400  | 157LMX400M2BG  | 2.2105                              | 0.9                                                 | 22x45         |
| 150              | 400  | 157LMX400M2CD  | 2.2105                              | 0.81                                                | 25x30         |
| 150              | 400  | 157LMX400M2CF  | 2.2105                              | 0.92                                                | 25x40         |
| 150              | 400  | 157LMX400M2DC  | 2.2105                              | 0.84                                                | 30x25         |
| 150              | 400  | 157LMX400M2DD  | 2.2105                              | 0.9                                                 | 30x30         |
| 150              | 450  | 157LMX450M2BG  | 2.2105                              | 0.93                                                | 22x45         |
| 150              | 450  | 157LMX450M2CE  | 2.2105                              | 0.94                                                | 25x35         |
| 150              | 450  | 157LMX450M2BH  | 2.2105                              | 0.94                                                | 22x50         |
| 150              | 450  | 157LMX450M2CF  | 2.2105                              | 0.91                                                | 25x40         |
| 150              | 450  | 157LMX450M2CG  | 2.2105                              | 0.96                                                | 25x45         |
| 150              | 450  | 157LMX450M2DD  | 2.2105                              | 0.9                                                 | 30x30         |
| 150              | 450  | 157LMX450M2DE  | 2.2105                              | 0.96                                                | 30x35         |
| 150              | 450  | 157LMX450M2ED  | 2.2105                              | 0.99                                                | 35x30         |
| 180              | 250  | 187LMX250M2BC  | 1.3816                              | 0.76                                                | 22x25         |
| 180              | 250  | 187LMX250M2BD  | 1.3816                              | 0.82                                                | 22x30         |
| 180              | 250  | 187LMX250M2CC  | 1.3816                              | 0.82                                                | 25x25         |
| 180              | 350  | 187LMX350M2BF  | 1.8421                              | 1.01                                                | 22x40         |
| 180              | 350  | 187LMX350M2CD  | 1.8421                              | 1.01                                                | 25x30         |
| 180              | 400  | 187LMX400M2CF  | 1.8421                              | 1.06                                                | 25x40         |

| Capacitance (μF) | WVDC | IC PART NUMBER | Maximum ESR (Ω)<br>120 Hz,<br>+20°C | Maximum RMS Ripple Current (A)<br>120 Hz,<br>+105°C | Dims DxL (mm) |
|------------------|------|----------------|-------------------------------------|-----------------------------------------------------|---------------|
| 180              | 400  | 187LMX400M2DD  | 1.8421                              | 0.99                                                | 30x30         |
| 180              | 400  | 187LMX400M2DE  | 1.8421                              | 1.06                                                | 30x35         |
| 180              | 400  | 187LMX400M2EC  | 1.8421                              | 1.01                                                | 35x25         |
| 180              | 400  | 187LMX400M2BG  | 1.8421                              | 0.98                                                | 22x45         |
| 180              | 400  | 187LMX400M2BH  | 1.8421                              | 1.03                                                | 22x50         |
| 180              | 400  | 187LMX400M2CE  | 1.8421                              | 0.95                                                | 25x35         |
| 180              | 450  | 187LMX450M2CG  | 1.8421                              | 1.05                                                | 25x45         |
| 180              | 450  | 187LMX450M2DE  | 1.8421                              | 1.05                                                | 30x35         |
| 180              | 450  | 187LMX450M2DF  | 1.8421                              | 1.11                                                | 30x40         |
| 180              | 450  | 187LMX450M2ED  | 1.8421                              | 1.08                                                | 35x30         |
| 180              | 450  | 187LMX450M2BH  | 1.8421                              | 0.97                                                | 22x50         |
| 180              | 450  | 187LMX450M2CF  | 1.8421                              | 0.95                                                | 25x40         |
| 180              | 450  | 187LMX450M2DD  | 1.8421                              | 0.93                                                | 30x30         |
| 180              | 450  | 187LMX450M2EC  | 1.8421                              | 0.96                                                | 35x25         |
| 220              | 200  | 227LMX200M2BC  | 1.1304                              | 0.85                                                | 22x25         |
| 220              | 250  | 227LMX250M2BD  | 1.1304                              | 0.91                                                | 22x30         |
| 220              | 250  | 227LMX250M2BE  | 1.1304                              | 0.97                                                | 22x35         |
| 220              | 250  | 227LMX250M2CD  | 1.1304                              | 0.98                                                | 25x30         |
| 220              | 350  | 227LMX350M2BG  | 1.5071                              | 1.15                                                | 22x45         |
| 220              | 350  | 227LMX350M2CE  | 1.5071                              | 1.15                                                | 25x35         |
| 220              | 350  | 227LMX350M2DD  | 1.5071                              | 1.15                                                | 30x30         |
| 220              | 400  | 227LMX400M2BH  | 1.5071                              | 1.14                                                | 22x50         |
| 220              | 400  | 227LMX400M2CF  | 1.5071                              | 1.11                                                | 25x40         |
| 220              | 400  | 227LMX400M2CH  | 1.5071                              | 1.22                                                | 25x50         |
| 220              | 400  | 227LMX400M2DD  | 1.5071                              | 1.09                                                | 30x30         |
| 220              | 400  | 227LMX400M2DE  | 1.5071                              | 1.16                                                | 30x35         |
| 220              | 400  | 227LMX400M2ED  | 1.5071                              | 1.2                                                 | 35x30         |
| 220              | 450  | 227LMX450M2DF  | 1.5071                              | 1.22                                                | 30x40         |
| 220              | 450  | 227LMX450M2DG  | 1.5071                              | 1.29                                                | 30x45         |
| 220              | 450  | 227LMX450M2ED  | 1.5071                              | 1.19                                                | 35x30         |
| 220              | 450  | 227LMX450M2EE  | 1.5071                              | 1.27                                                | 35x35         |
| 220              | 450  | 227LMX450M2CG  | 1.5071                              | 1.16                                                | 25x45         |
| 220              | 450  | 227LMX450M2DE  | 1.5071                              | 1.17                                                | 30x35         |
| 270              | 200  | 277LMX200M2BC  | 0.921                               | 1.1                                                 | 22x25         |
| 270              | 200  | 277LMX200M2BD  | 0.921                               | 1.02                                                | 22x30         |
| 270              | 200  | 277LMX200M2CC  | 0.921                               | 1.02                                                | 25x25         |
| 270              | 250  | 277LMX250M2BD  | 0.921                               | 1.01                                                | 22x30         |
| 270              | 250  | 277LMX250M2BE  | 0.921                               | 1.07                                                | 22x35         |
| 270              | 250  | 277LMX250M2CC  | 0.921                               | 1.01                                                | 25x25         |
| 270              | 250  | 277LMX250M2CD  | 0.921                               | 1.08                                                | 25x30         |
| 270              | 350  | 277LMX350M2BH  | 1.228                               | 1.25                                                | 22x50         |
| 270              | 350  | 277LMX350M2CF  | 1.228                               | 1.25                                                | 25x40         |
| 270              | 350  | 277LMX350M2DD  | 1.228                               | 1.25                                                | 30x30         |
| 270              | 350  | 277LMX350M2EC  | 1.228                               | 1.25                                                | 35x25         |
| 270              | 400  | 277LMX400M2CH  | 1.228                               | 1.35                                                | 25x50         |
| 270              | 400  | 277LMX400M2CG  | 1.228                               | 1.29                                                | 25x45         |
| 270              | 400  | 277LMX400M2DE  | 1.228                               | 1.29                                                | 30x35         |
| 270              | 400  | 277LMX400M2DG  | 1.228                               | 1.43                                                | 30x45         |
| 270              | 400  | 277LMX400M2ED  | 1.228                               | 1.33                                                | 35x30         |
| 270              | 400  | 277LMX400M2EE  | 1.228                               | 1.41                                                | 35x35         |
| 270              | 450  | 277LMX450M2DG  | 1.228                               | 1.43                                                | 30x45         |
| 270              | 450  | 277LMX450M2DH  | 1.228                               | 1.49                                                | 30x50         |
| 270              | 450  | 277LMX450M2EE  | 1.228                               | 1.41                                                | 35x35         |
| 270              | 450  | 277LMX450M2EF  | 1.228                               | 1.48                                                | 35x40         |
| 270              | 450  | 277LMX450M2CH  | 1.228                               | 1.31                                                | 25x50         |
| 270              | 450  | 277LMX450M2DF  | 1.228                               | 1.33                                                | 30x40         |
| 270              | 450  | 277LMX450M2ED  | 1.228                               | 1.39                                                | 35x30         |
| 330              | 200  | 337LMX200M2BD  | 0.754                               | 1.12                                                | 22x30         |

# LMX

+105°C, 5000 Hour

| Capacitance (μF) | WVDC | IC PART NUMBER | Maximum ESR (Ω)<br>120 Hz,<br>+20°C | Maximum RMS Ripple Current (A)<br>120 Hz,<br>+105°C | Dims DxL (mm) |
|------------------|------|----------------|-------------------------------------|-----------------------------------------------------|---------------|
| 330              | 200  | 337LMX200M2BE  | 0.754                               | 1.2                                                 | 22x35         |
| 330              | 200  | 337LMX200M2CC  | 0.754                               | 1.12                                                | 25x25         |
| 330              | 200  | 337LMX200M2CD  | 0.754                               | 1.21                                                | 25x30         |
| 330              | 250  | 337LMX250M2BE  | 0.754                               | 1.19                                                | 22x35         |
| 330              | 250  | 337LMX250M2BF  | 0.754                               | 1.26                                                | 22x40         |
| 330              | 250  | 337LMX250M2CD  | 0.754                               | 1.2                                                 | 25x30         |
| 330              | 250  | 337LMX250M2CE  | 0.754                               | 1.28                                                | 25x35         |
| 330              | 250  | 337LMX250M2DC  | 0.754                               | 1.24                                                | 30x25         |
| 330              | 350  | 337LMX350M2ED  | 1.0048                              | 1.43                                                | 35x30         |
| 330              | 350  | 337LMX350M2CG  | 1.0048                              | 1.43                                                | 25x45         |
| 330              | 350  | 337LMX350M2DE  | 1.0048                              | 1.43                                                | 30x35         |
| 330              | 400  | 337LMX400M2DG  | 1.0048                              | 1.55                                                | 30x45         |
| 330              | 400  | 337LMX400M2ED  | 1.0048                              | 1.52                                                | 35x30         |
| 330              | 400  | 337LMX400M2DF  | 1.0048                              | 1.51                                                | 30x40         |
| 330              | 400  | 337LMX400M2DH  | 1.0048                              | 1.66                                                | 30x50         |
| 330              | 400  | 337LMX400M2EE  | 1.0048                              | 1.56                                                | 35x35         |
| 330              | 400  | 337LMX400M2EF  | 1.0048                              | 1.65                                                | 35x40         |
| 330              | 450  | 337LMX450M2DH  | 1.0048                              | 1.65                                                | 30x50         |
| 330              | 450  | 337LMX450M2EF  | 1.0048                              | 1.64                                                | 35x40         |
| 330              | 450  | 337LMX450M2EG  | 1.0048                              | 1.72                                                | 35x45         |
| 330              | 450  | 337LMX450M2DG  | 1.0048                              | 1.58                                                | 30x45         |
| 330              | 450  | 337LMX450M2EE  | 1.0048                              | 1.58                                                | 35x35         |
| 390              | 100  | 397LMX100M2BC  | 0.6376                              | 0.78                                                | 22x25         |
| 390              | 160  | 397LMX160M2BD  | 0.6376                              | 1.42                                                | 22x30         |
| 390              | 200  | 397LMX200M2BE  | 0.6376                              | 1.31                                                | 22x35         |
| 390              | 200  | 397LMX200M2CD  | 0.6376                              | 1.32                                                | 25x30         |
| 390              | 200  | 397LMX200M2CE  | 0.6376                              | 1.4                                                 | 25x35         |
| 390              | 200  | 397LMX200M2DC  | 0.6376                              | 1.37                                                | 30x25         |
| 390              | 250  | 397LMX250M2BF  | 0.6376                              | 1.37                                                | 22x40         |
| 390              | 250  | 397LMX250M2BG  | 0.6376                              | 1.44                                                | 22x45         |
| 390              | 250  | 397LMX250M2CE  | 0.6376                              | 1.39                                                | 25x35         |
| 390              | 250  | 397LMX250M2CF  | 0.6376                              | 1.47                                                | 25x40         |
| 390              | 250  | 397LMX250M2DD  | 0.6376                              | 1.45                                                | 30x30         |
| 390              | 250  | 397LMX250M2DE  | 0.6376                              | 1.54                                                | 30x35         |
| 390              | 350  | 397LMX350M2EE  | 1.0048                              | 1.76                                                | 35x35         |
| 390              | 350  | 397LMX350M2CH  | 1.0048                              | 1.61                                                | 25x50         |
| 390              | 350  | 397LMX350M2DF  | 1.0048                              | 1.6                                                 | 30x40         |
| 390              | 350  | 397LMX350M2ED  | 1.0048                              | 1.61                                                | 35x30         |
| 390              | 400  | 397LMX400M2DG  | 1.0048                              | 1.72                                                | 30x45         |
| 390              | 400  | 397LMX400M2EE  | 1.0048                              | 1.7                                                 | 35x35         |
| 390              | 400  | 397LMX400M2EG  | 1.0048                              | 1.88                                                | 35x45         |
| 390              | 450  | 397LMX450M2EG  | 1.0048                              | 1.87                                                | 35x45         |
| 390              | 450  | 397LMX450M2EF  | 1.0048                              | 1.73                                                | 35x40         |
| 390              | 450  | 397LMX450M2DH  | 1.0048                              | 1.73                                                | 30x50         |
| 470              | 160  | 477LMX160M2BE  | 0.5291                              | 1.62                                                | 22x35         |
| 470              | 200  | 477LMX200M2BG  | 0.5291                              | 1.6                                                 | 22x45         |
| 470              | 200  | 477LMX200M2CD  | 0.5291                              | 1.45                                                | 25x30         |
| 470              | 200  | 477LMX200M2CE  | 0.5291                              | 1.54                                                | 25x35         |
| 470              | 200  | 477LMX200M2DC  | 0.5291                              | 1.5                                                 | 30x25         |
| 470              | 200  | 477LMX200M2DD  | 0.5291                              | 1.61                                                | 30x30         |
| 470              | 200  | 477LMX200M2BF  | 0.5291                              | 1.52                                                | 22x40         |
| 470              | 250  | 477LMX250M2BH  | 0.5291                              | 1.66                                                | 22x50         |
| 470              | 250  | 477LMX250M2CF  | 0.5291                              | 1.61                                                | 25x40         |
| 470              | 250  | 477LMX250M2CG  | 0.5291                              | 1.7                                                 | 25x45         |
| 470              | 250  | 477LMX250M2DD  | 0.5291                              | 1.59                                                | 30x30         |
| 470              | 250  | 477LMX250M2DE  | 0.5291                              | 1.69                                                | 30x35         |
| 470              | 250  | 477LMX250M2EC  | 0.5291                              | 1.63                                                | 35x25         |
| 470              | 350  | 477LMX350M2DG  | 0.7055                              | 1.81                                                | 30x45         |

| Capacitance (μF) | WVDC | IC PART NUMBER | Maximum ESR (Ω)<br>120 Hz,<br>+20°C | Maximum RMS Ripple Current (A)<br>120 Hz,<br>+105°C | Dims DxL (mm) |
|------------------|------|----------------|-------------------------------------|-----------------------------------------------------|---------------|
| 470              | 350  | 477LMX350M2EE  | 0.7055                              | 1.83                                                | 35x35         |
| 470              | 400  | 477LMX400M2DH  | 0.7055                              | 1.9                                                 | 30x50         |
| 470              | 400  | 477LMX400M2EF  | 0.7055                              | 1.97                                                | 35x40         |
| 470              | 400  | 477LMX400M2EH  | 0.7055                              | 2.16                                                | 35x50         |
| 470              | 450  | 477LMX450M2EH  | 0.7055                              | 1.98                                                | 35x50         |
| 560              | 100  | 567LMX100M2BD  | 0.4441                              | 0.99                                                | 22x30         |
| 560              | 100  | 567LMX100M2CC  | 0.4441                              | 0.98                                                | 25x25         |
| 560              | 160  | 567LMX160M2CD  | 0.4441                              | 1.81                                                | 25x30         |
| 560              | 160  | 567LMX160M2DC  | 0.4441                              | 1.81                                                | 30x25         |
| 560              | 160  | 567LMX160M2BE  | 0.4441                              | 1.77                                                | 22x35         |
| 560              | 200  | 567LMX200M2DC  | 0.4441                              | 1.78                                                | 30x25         |
| 560              | 200  | 567LMX200M2BG  | 0.4441                              | 1.75                                                | 22x45         |
| 560              | 200  | 567LMX200M2BH  | 0.4441                              | 1.83                                                | 22x50         |
| 560              | 200  | 567LMX200M2CE  | 0.4441                              | 1.68                                                | 25x35         |
| 560              | 200  | 567LMX200M2CF  | 0.4441                              | 1.78                                                | 25x40         |
| 560              | 200  | 567LMX200M2DD  | 0.4441                              | 1.76                                                | 30x30         |
| 560              | 200  | 567LMX200M2DE  | 0.4441                              | 1.87                                                | 30x35         |
| 560              | 250  | 567LMX250M2CG  | 0.4441                              | 1.85                                                | 25x45         |
| 560              | 250  | 567LMX250M2DE  | 0.4441                              | 1.85                                                | 30x35         |
| 560              | 250  | 567LMX250M2DF  | 0.4441                              | 1.95                                                | 30x40         |
| 560              | 250  | 567LMX250M2ED  | 0.4441                              | 1.91                                                | 35x30         |
| 560              | 350  | 567LMX350M2DH  | 0.5921                              | 2                                                   | 30x50         |
| 560              | 350  | 567LMX350M2EF  | 0.5921                              | 2.07                                                | 35x40         |
| 560              | 400  | 567LMX400M2EG  | 0.3657                              | 2.26                                                | 35x45         |
| 680              | 80   | 687LMX080M2BC  | 0.3657                              | 0.97                                                | 22x25         |
| 680              | 100  | 687LMX100M2BE  | 0.3657                              | 1.12                                                | 22x35         |
| 680              | 100  | 687LMX100M2CC  | 0.3657                              | 1.05                                                | 25x25         |
| 680              | 160  | 687LMX160M2BG  | 0.3657                              | 1.98                                                | 22x45         |
| 680              | 160  | 687LMX160M2CE  | 0.3657                              | 2.01                                                | 25x35         |
| 680              | 160  | 687LMX160M2DD  | 0.3657                              | 1.96                                                | 30x30         |
| 680              | 160  | 687LMX160M2BF  | 0.3657                              | 1.98                                                | 22x40         |
| 680              | 160  | 687LMX160M2DC  | 0.3657                              | 1.96                                                | 30x25         |
| 680              | 200  | 687LMX200M2CF  | 0.3657                              | 1.96                                                | 25x40         |
| 680              | 200  | 687LMX200M2CH  | 0.3657                              | 2.16                                                | 25x50         |
| 680              | 200  | 687LMX200M2DD  | 0.3657                              | 1.94                                                | 30x30         |
| 680              | 200  | 687LMX200M2DE  | 0.3657                              | 2.06                                                | 30x35         |
| 680              | 200  | 687LMX200M2EC  | 0.3657                              | 1.98                                                | 35x25         |
| 680              | 200  | 687LMX200M2BH  | 0.3657                              | 1.9                                                 | 22x50         |
| 680              | 250  | 687LMX250M2CH  | 0.3657                              | 1.94                                                | 25x50         |
| 680              | 250  | 687LMX250M2DF  | 0.3657                              | 2.15                                                | 30x40         |
| 680              | 250  | 687LMX250M2DG  | 0.3657                              | 2.26                                                | 30x45         |
| 680              | 250  | 687LMX250M2ED  | 0.3657                              | 2.1                                                 | 35x30         |
| 680              | 350  | 687LMX350M2EG  | 0.4876                              | 2.34                                                | 35x45         |
| 680              | 400  | 687LMX400M2EH  | 0.4876                              | 2.39                                                | 35x50         |
| 820              | 80   | 827LMX080M2BD  | 0.3033                              | 1.12                                                | 22x30         |
| 820              | 100  | 827LMX100M2BF  | 0.3033                              | 1.26                                                | 22x40         |
| 820              | 100  | 827LMX100M2CD  | 0.3033                              | 1.23                                                | 25x30         |
| 820              | 100  | 827LMX100M2DC  | 0.3033                              | 1.25                                                | 30x25         |
| 820              | 160  | 827LMX160M2BH  | 0.3033                              | 2.2                                                 | 22x50         |
| 820              | 160  | 827LMX160M2CF  | 0.3033                              | 2.24                                                | 25x40         |
| 820              | 160  | 827LMX160M2DE  | 0.3033                              | 2.2                                                 | 30x35         |
| 820              | 160  | 827LMX160M2BG  | 0.3033                              | 2.2                                                 | 22x45         |
| 820              | 200  | 827LMX200M2CG  | 0.3033                              | 2.27                                                | 25x45         |
| 820              | 200  | 827LMX200M2DE  | 0.3033                              | 2.26                                                | 30x35         |
| 820              | 200  | 827LMX200M2DF  | 0.3033                              | 2.39                                                | 30x40         |
| 820              | 200  | 827LMX200M2ED  | 0.3033                              | 2.33                                                | 35x30         |
| 820              | 250  | 827LMX250M2DG  | 0.3033                              | 2.49                                                | 30x45         |
| 820              | 250  | 827LMX250M2DH  | 0.3033                              | 2.6                                                 | 30x50         |

# LMX

+105°C, 5000 Hour

| Capacitance (μF) | WVDC | IC PART NUMBER | Maximum ESR (Ω)<br>120 Hz, +20°C | Maximum RMS Ripple Current (A)<br>120 Hz, +105°C | Dims DxL (mm) |
|------------------|------|----------------|----------------------------------|--------------------------------------------------|---------------|
| 820              | 250  | 827LMX250M2EE  | 0.3033                           | 2.45                                             | 35x35         |
| 820              | 350  | 827LMX350M2EH  | 0.4044                           | 2.62                                             | 35x50         |
| 1000             | 63   | 108LMX063M2BC  | 0.2487                           | 1                                                | 22x25         |
| 1000             | 80   | 108LMX080M2BE  | 0.2487                           | 1.7                                              | 22x35         |
| 1000             | 80   | 108LMX080M2CC  | 0.2487                           | 1.36                                             | 25x25         |
| 1000             | 100  | 108LMX100M2BG  | 0.2487                           | 1.41                                             | 22x45         |
| 1000             | 100  | 108LMX100M2CE  | 0.2487                           | 1.45                                             | 25x35         |
| 1000             | 100  | 108LMX100M2DD  | 0.2487                           | 1.42                                             | 30x30         |
| 1000             | 100  | 108LMX100M2EC  | 0.2487                           | 1.45                                             | 35x25         |
| 1000             | 160  | 108LMX160M2CG  | 0.2487                           | 2.55                                             | 25x45         |
| 1000             | 160  | 108LMX160M2DF  | 0.2487                           | 2.55                                             | 30x40         |
| 1000             | 160  | 108LMX160M2DE  | 0.2487                           | 2.55                                             | 30x35         |
| 1000             | 160  | 108LMX160M2EC  | 0.2487                           | 2.55                                             | 35x25         |
| 1000             | 200  | 108LMX200M2DF  | 0.2487                           | 2.64                                             | 30x40         |
| 1000             | 200  | 108LMX200M2DG  | 0.2487                           | 2.78                                             | 30x45         |
| 1000             | 200  | 108LMX200M2EE  | 0.2487                           | 2.74                                             | 35x35         |
| 1000             | 200  | 108LMX200M2CH  | 0.2487                           | 2.46                                             | 25x50         |
| 1000             | 250  | 108LMX250M2DP  | 0.2487                           | 3                                                | 30x55         |
| 1000             | 250  | 108LMX250M2EF  | 0.2487                           | 2.86                                             | 35x40         |
| 1000             | 250  | 108LMX250M2DH  | 0.2487                           | 2.68                                             | 30x50         |
| 1200             | 63   | 128LMX063M2BD  | 0.2072                           | 1.15                                             | 22x30         |
| 1200             | 63   | 128LMX063M2CC  | 0.2072                           | 1.15                                             | 25x25         |
| 1200             | 80   | 128LMX080M2BF  | 0.2072                           | 1.75                                             | 22x40         |
| 1200             | 80   | 128LMX080M2CD  | 0.2072                           | 1.39                                             | 25x30         |
| 1200             | 80   | 128LMX080M2DC  | 0.2072                           | 1.41                                             | 30x25         |
| 1200             | 100  | 128LMX100M2BH  | 0.2072                           | 1.6                                              | 22x50         |
| 1200             | 100  | 128LMX100M2CF  | 0.2072                           | 1.59                                             | 25x40         |
| 1200             | 100  | 128LMX100M2DE  | 0.2072                           | 1.61                                             | 30x35         |
| 1200             | 100  | 128LMX100M2EC  | 0.2072                           | 1.65                                             | 35x25         |
| 1200             | 160  | 128LMX160M2CH  | 0.2072                           | 2.93                                             | 25x50         |
| 1200             | 160  | 128LMX160M2DG  | 0.2072                           | 2.84                                             | 30x45         |
| 1200             | 160  | 128LMX160M2ED  | 0.2072                           | 2.86                                             | 35x30         |
| 1200             | 160  | 128LMX160M2DF  | 0.2072                           | 2.84                                             | 30x40         |
| 1200             | 200  | 128LMX200M2EE  | 0.2072                           | 2.88                                             | 35x35         |
| 1200             | 200  | 128LMX200M2DG  | 0.2072                           | 3.04                                             | 30x45         |
| 1200             | 200  | 128LMX200M2DH  | 0.2072                           | 3.19                                             | 30x50         |
| 1200             | 200  | 128LMX200M2EF  | 0.2072                           | 3.17                                             | 35x40         |
| 1200             | 200  | 128LMX200M2EG  | 0.2072                           | 3.33                                             | 35x45         |
| 1200             | 250  | 128LMX250M2EH  | 0.2072                           | 3.44                                             | 35x50         |
| 1200             | 250  | 128LMX250M2EP  | 0.2072                           | 3.58                                             | 35x55         |
| 1200             | 250  | 128LMX250M2EG  | 0.2072                           | 3.05                                             | 35x45         |
| 1500             | 50   | 158LMX050M2BC  | 0.221                            | 1.02                                             | 22x25         |
| 1500             | 63   | 158LMX063M2BE  | 0.1658                           | 1.32                                             | 22x35         |
| 1500             | 63   | 158LMX063M2CC  | 0.1658                           | 1.35                                             | 25x25         |
| 1500             | 80   | 158LMX080M2BF  | 0.1658                           | 1.8                                              | 22x40         |
| 1500             | 80   | 158LMX080M2CE  | 0.1658                           | 1.62                                             | 25x35         |
| 1500             | 80   | 158LMX080M2DC  | 0.1658                           | 1.65                                             | 30x25         |
| 1500             | 100  | 158LMX100M2ED  | 0.1658                           | 1.85                                             | 35x30         |
| 1500             | 100  | 158LMX100M2CH  | 0.1658                           | 1.86                                             | 25x50         |
| 1500             | 100  | 158LMX100M2DF  | 0.1658                           | 1.87                                             | 30x40         |
| 1500             | 160  | 158LMX160M2DH  | 0.1658                           | 3.22                                             | 30x50         |
| 1500             | 160  | 158LMX160M2EE  | 0.1658                           | 3.22                                             | 35x35         |
| 1500             | 160  | 158LMX160M2DG  | 0.1658                           | 3.17                                             | 30x45         |
| 1500             | 200  | 158LMX200M2EF  | 0.1658                           | 3.34                                             | 35x40         |
| 1500             | 200  | 158LMX200M2EG  | 0.1658                           | 3.72                                             | 35x45         |
| 1500             | 200  | 158LMX200M2EH  | 0.1658                           | 3.75                                             | 35x50         |
| 1500             | 250  | 158LMX250M2EP  | 0.1658                           | 4                                                | 35x55         |
| 1500             | 250  | 158LMX250M2EH  | 0.1658                           | 3.49                                             | 35x50         |

| Capacitance (μF) | WVDC | IC PART NUMBER | Maximum ESR (Ω)<br>120 Hz, +20°C | Maximum RMS Ripple Current (A)<br>120 Hz, +105°C | Dims DxL (mm) |
|------------------|------|----------------|----------------------------------|--------------------------------------------------|---------------|
| 1800             | 50   | 188LMX050M2BD  | 0.1842                           | 1.17                                             | 22x30         |
| 1800             | 50   | 188LMX050M2CC  | 0.1842                           | 1.17                                             | 25x25         |
| 1800             | 63   | 188LMX063M2BF  | 0.1382                           | 1.49                                             | 22x40         |
| 1800             | 63   | 188LMX063M2CD  | 0.1382                           | 1.45                                             | 25x30         |
| 1800             | 63   | 188LMX063M2DC  | 0.1382                           | 1.48                                             | 30x25         |
| 1800             | 80   | 188LMX080M2BF  | 0.1382                           | 1.82                                             | 22x40         |
| 1800             | 80   | 188LMX080M2BH  | 0.1382                           | 1.84                                             | 22x50         |
| 1800             | 80   | 188LMX080M2CE  | 0.1382                           | 1.85                                             | 25x35         |
| 1800             | 80   | 188LMX080M2CF  | 0.1382                           | 1.95                                             | 25x40         |
| 1800             | 80   | 188LMX080M2DD  | 0.1382                           | 1.78                                             | 30x30         |
| 1800             | 80   | 188LMX080M2EC  | 0.1382                           | 1.92                                             | 35x25         |
| 1800             | 100  | 188LMX100M2DF  | 0.1382                           | 1.95                                             | 30x40         |
| 1800             | 100  | 188LMX100M2DG  | 0.1382                           | 2.15                                             | 30x45         |
| 1800             | 100  | 188LMX100M2EE  | 0.1382                           | 2.07                                             | 35x35         |
| 1800             | 160  | 188LMX160M2DH  | 0.1382                           | 3.53                                             | 30x50         |
| 1800             | 160  | 188LMX160M2EF  | 0.1382                           | 3.66                                             | 35x40         |
| 1800             | 200  | 188LMX200M2EG  | 0.1382                           | 3.74                                             | 35x45         |
| 1800             | 200  | 188LMX200M2EH  | 0.1382                           | 4.1                                              | 35x50         |
| 2200             | 35   | 228LMX035M2BC  | 0.1884                           | 1.1                                              | 22x25         |
| 2200             | 50   | 228LMX050M2BE  | 0.1507                           | 1.33                                             | 22x35         |
| 2200             | 50   | 228LMX050M2CC  | 0.1507                           | 1.35                                             | 25x25         |
| 2200             | 63   | 228LMX063M2BG  | 0.113                            | 1.75                                             | 22x45         |
| 2200             | 63   | 228LMX063M2CE  | 0.113                            | 1.67                                             | 25x35         |
| 2200             | 63   | 228LMX063M2DD  | 0.113                            | 1.68                                             | 30x30         |
| 2200             | 63   | 228LMX063M2EC  | 0.113                            | 1.71                                             | 35x25         |
| 2200             | 80   | 228LMX080M2CH  | 0.113                            | 2.11                                             | 25x50         |
| 2200             | 80   | 228LMX080M2DE  | 0.113                            | 2.05                                             | 30x35         |
| 2200             | 80   | 228LMX080M2ED  | 0.113                            | 2.09                                             | 35x30         |
| 2200             | 100  | 228LMX100M2DH  | 0.113                            | 2.4                                              | 30x50         |
| 2200             | 100  | 228LMX100M2EF  | 0.113                            | 2.39                                             | 35x40         |
| 2200             | 160  | 228LMX160M2EG  | 0.113                            | 4.14                                             | 35x45         |
| 2700             | 50   | 278LMX050M2BF  | 0.1228                           | 1.51                                             | 22x40         |
| 2700             | 50   | 278LMX050M2CD  | 0.1228                           | 1.47                                             | 25x30         |
| 2700             | 50   | 278LMX050M2DC  | 0.1228                           | 1.5                                              | 30x25         |
| 2700             | 63   | 278LMX063M2BH  | 0.0921                           | 1.92                                             | 22x50         |
| 2700             | 63   | 278LMX063M2CF  | 0.0921                           | 1.9                                              | 25x40         |
| 2700             | 63   | 278LMX063M2DE  | 0.0921                           | 1.93                                             | 30x35         |
| 2700             | 63   | 278LMX063M2EC  | 0.0921                           | 1.95                                             | 35x25         |
| 2700             | 80   | 278LMX080M2DF  | 0.0921                           | 3.35                                             | 30x40         |
| 2700             | 80   | 278LMX080M2EE  | 0.0921                           | 2.65                                             | 35x35         |
| 2700             | 100  | 278LMX100M2EH  | 0.0921                           | 2.81                                             | 35x50         |
| 2700             | 160  | 278LMX160M2EH  | 0.0921                           | 4.68                                             | 35x50         |
| 3300             | 35   | 338LMX035M2BD  | 0.1063                           | 1.42                                             | 22x30         |
| 3300             | 35   | 338LMX035M2CC  | 0.1063                           | 1.41                                             | 25x25         |
| 3300             | 50   | 338LMX050M2CE  | 0.085                            | 1.7                                              | 25x35         |
| 3300             | 50   | 338LMX050M2DD  | 0.085                            | 1.7                                              | 30x30         |
| 3300             | 50   | 338LMX050M2EC  | 0.085                            | 2.2                                              | 35x25         |
| 3300             | 63   | 338LMX063M2CH  | 0.0638                           | 2.2                                              | 25x50         |
| 3300             | 63   | 338LMX063M2CG  | 0.0638                           | 2.2                                              | 25x45         |
| 3300             | 63   | 338LMX063M2DE  | 0.0638                           | 2.35                                             | 30x35         |
| 3300             | 63   | 338LMX063M2ED  | 0.0638                           | 2.18                                             | 35x30         |
| 3300             | 80   | 338LMX080M2DH  | 0.0638                           | 2.75                                             | 30x50         |
| 3300             | 80   | 338LMX080M2EF  | 0.0638                           | 2.73                                             | 35x40         |
| 3900             | 25   | 398LMX025M2BC  | 0.1275                           | 1.31                                             | 22x25         |
| 3900             | 35   | 398LMX035M2BE  | 0.1063                           | 1.58                                             | 22x35         |
| 3900             | 35   | 398LMX035M2CD  | 0.1063                           | 1.58                                             | 25x30         |
| 3900             | 50   | 398LMX050M2CF  | 0.085                            | 1.89                                             | 25x40         |
| 3900             | 50   | 398LMX050M2DD  | 0.085                            | 1.89                                             | 30x30         |

# LMX

+105°C, 5000 Hour

| Capacitance (μF) | WVDC | IC PART NUMBER | Maximum ESR (Ω)<br>120 Hz,<br>+20°C | Maximum RMS Ripple Current (A)<br>120 Hz,<br>+105°C | Dims DxL (mm) |
|------------------|------|----------------|-------------------------------------|-----------------------------------------------------|---------------|
| 3900             | 50   | 398LMX050M2EC  | 0.085                               | 2.1                                                 | 35x25         |
| 3900             | 50   | 398LMX050M2BH  | 0.085                               | 1.91                                                | 22x50         |
| 3900             | 63   | 398LMX063M2CH  | 0.0638                              | 2.35                                                | 25x50         |
| 3900             | 63   | 398LMX063M2DF  | 0.0638                              | 2.41                                                | 30x40         |
| 3900             | 63   | 398LMX063M2EE  | 0.0638                              | 2.43                                                | 35x35         |
| 4700             | 25   | 478LMX025M2BD  | 0.1058                              | 1.51                                                | 22x30         |
| 4700             | 25   | 478LMX025M2CC  | 0.1058                              | 1.51                                                | 25x25         |
| 4700             | 35   | 478LMX035M2BF  | 0.0882                              | 1.78                                                | 22x40         |
| 4700             | 35   | 478LMX035M2CD  | 0.0882                              | 1.7                                                 | 25x30         |
| 4700             | 35   | 478LMX035M2DC  | 0.0882                              | 1.77                                                | 30x25         |
| 4700             | 50   | 478LMX050M2DE  | 0.0705                              | 2.11                                                | 30x35         |
| 4700             | 50   | 478LMX050M2ED  | 0.0705                              | 2.16                                                | 35x30         |
| 4700             | 63   | 478LMX063M2DH  | 0.0529                              | 2.8                                                 | 30x50         |
| 4700             | 63   | 478LMX063M2EF  | 0.0529                              | 2.78                                                | 35x40         |
| 4700             | 80   | 478LMX080M2EH  | 0.0529                              | 3.46                                                | 35x50         |
| 5600             | 16   | 568LMX016M2BC  | 0.1332                              | 1.44                                                | 22x25         |
| 5600             | 25   | 568LMX025M2BE  | 0.0888                              | 1.7                                                 | 22x35         |
| 5600             | 25   | 568LMX025M2CC  | 0.0888                              | 1.65                                                | 25x25         |
| 5600             | 35   | 568LMX035M2CE  | 0.074                               | 1.98                                                | 25x35         |
| 5600             | 35   | 568LMX035M2DD  | 0.074                               | 1.98                                                | 30x30         |
| 5600             | 35   | 568LMX035M2EC  | 0.074                               | 2.03                                                | 35x25         |
| 5600             | 50   | 568LMX050M2CH  | 0.0592                              | 2.38                                                | 25x50         |
| 5600             | 50   | 568LMX050M2DF  | 0.0592                              | 2.39                                                | 30x40         |
| 5600             | 50   | 568LMX050M2EE  | 0.0592                              | 2.41                                                | 35x35         |
| 5600             | 63   | 568LMX063M2EF  | 0.0444                              | 2.95                                                | 35x40         |
| 6800             | 10   | 688LMX010M2BC  | 0.1463                              | 1.3                                                 | 22x25         |
| 6800             | 16   | 688LMX016M2CC  | 0.1097                              | 1.66                                                | 25x25         |
| 6800             | 16   | 688LMX016M2BD  | 0.1097                              | 1.66                                                | 22x30         |
| 6800             | 25   | 688LMX025M2DC  | 0.0731                              | 1.9                                                 | 30x25         |
| 6800             | 25   | 688LMX025M2BF  | 0.0731                              | 1.92                                                | 22x40         |
| 6800             | 25   | 688LMX025M2CD  | 0.0731                              | 1.87                                                | 25x30         |
| 6800             | 35   | 688LMX035M2BH  | 0.061                               | 2.26                                                | 22x50         |
| 6800             | 35   | 688LMX035M2CF  | 0.061                               | 2.24                                                | 25x40         |
| 6800             | 50   | 688LMX050M2DH  | 0.0488                              | 2.79                                                | 30x50         |
| 6800             | 50   | 688LMX050M2EF  | 0.0488                              | 2.78                                                | 35x40         |
| 6800             | 63   | 688LMX063M2EG  | 0.0366                              | 3.25                                                | 35x45         |
| 6800             | 63   | 688LMX063M2EH  | 0.0366                              | 3.55                                                | 35x50         |
| 8200             | 16   | 828LMX016M2BE  | 0.091                               | 1.87                                                | 22x35         |
| 8200             | 16   | 828LMX016M2CC  | 0.091                               | 1.85                                                | 25x25         |
| 8200             | 25   | 828LMX025M2BG  | 0.0607                              | 2.15                                                | 22x45         |
| 8200             | 25   | 828LMX025M2CE  | 0.0607                              | 2.14                                                | 25x35         |
| 8200             | 25   | 828LMX025M2DD  | 0.0607                              | 2.16                                                | 30x30         |
| 8200             | 25   | 828LMX025M2EC  | 0.0607                              | 2.19                                                | 35x25         |
| 8200             | 35   | 828LMX035M2CH  | 0.0505                              | 2.57                                                | 25x50         |
| 8200             | 35   | 828LMX035M2DE  | 0.0505                              | 2.5                                                 | 30x35         |
| 8200             | 35   | 828LMX035M2ED  | 0.0505                              | 2.55                                                | 35x30         |
| 8200             | 63   | 828LMX063M2EH  | 0.0303                              | 3.55                                                | 35x50         |
| 10000            | 10   | 109LMX010M2BD  | 0.0995                              | 1.65                                                | 22x30         |
| 10000            | 10   | 109LMX010M2CC  | 0.0995                              | 1.64                                                | 25x25         |
| 10000            | 16   | 109LMX016M2BF  | 0.0746                              | 2.12                                                | 22x40         |
| 10000            | 16   | 109LMX016M2CD  | 0.0746                              | 2.07                                                | 25x30         |
| 10000            | 16   | 109LMX016M2DC  | 0.0746                              | 2.11                                                | 30x25         |
| 10000            | 25   | 109LMX025M2BH  | 0.0497                              | 2.45                                                | 22x50         |
| 10000            | 25   | 109LMX025M2CF  | 0.0497                              | 2.43                                                | 25x40         |
| 10000            | 35   | 109LMX035M2DF  | 0.0414                              | 2.86                                                | 30x40         |

| Capacitance (μF) | WVDC | IC PART NUMBER | Maximum ESR (Ω)<br>120 Hz,<br>+20°C | Maximum RMS Ripple Current (A)<br>120 Hz,<br>+105°C | Dims DxL (mm) |
|------------------|------|----------------|-------------------------------------|-----------------------------------------------------|---------------|
| 10000            | 35   | 109LMX035M2EE  | 0.0414                              | 2.88                                                | 35x35         |
| 10000            | 50   | 109LMX050M2EH  | 0.0332                              | 3.57                                                | 35x50         |
| 12000            | 10   | 129LMX010M2BE  | 0.0829                              | 1.85                                                | 22x35         |
| 12000            | 10   | 129LMX010M2CD  | 0.0829                              | 1.85                                                | 25x30         |
| 12000            | 10   | 129LMX010M2DC  | 0.0829                              | 1.89                                                | 30x25         |
| 12000            | 16   | 129LMX016M2BG  | 0.0622                              | 2.45                                                | 22x45         |
| 12000            | 16   | 129LMX016M2CE  | 0.0622                              | 2.37                                                | 25x35         |
| 12000            | 16   | 129LMX016M2DD  | 0.0622                              | 2.37                                                | 30x30         |
| 12000            | 16   | 129LMX016M2EC  | 0.0622                              | 2.42                                                | 35x25         |
| 12000            | 25   | 129LMX025M2CH  | 0.0414                              | 2.78                                                | 25x50         |
| 12000            | 25   | 129LMX025M2DE  | 0.0414                              | 2.7                                                 | 30x35         |
| 12000            | 25   | 129LMX025M2ED  | 0.0414                              | 2.76                                                | 35x30         |
| 12000            | 35   | 129LMX035M2DH  | 0.0345                              | 3.32                                                | 30x50         |
| 12000            | 35   | 129LMX035M2EF  | 0.0345                              | 3.3                                                 | 35x40         |
| 15000            | 10   | 159LMX010M2BF  | 0.0663                              | 2.12                                                | 22x40         |
| 15000            | 10   | 159LMX010M2CE  | 0.0663                              | 2.16                                                | 25x35         |
| 15000            | 16   | 159LMX016M2BH  | 0.0497                              | 2.74                                                | 22x50         |
| 15000            | 16   | 159LMX016M2CF  | 0.0497                              | 2.71                                                | 25x40         |
| 15000            | 16   | 159LMX016M2DD  | 0.0497                              | 2.75                                                | 30x30         |
| 15000            | 16   | 159LMX016M2EC  | 0.0497                              | 2.65                                                | 35x25         |
| 15000            | 25   | 159LMX025M2DF  | 0.0332                              | 3.13                                                | 30x40         |
| 15000            | 25   | 159LMX025M2EE  | 0.0332                              | 3.16                                                | 35x35         |
| 18000            | 10   | 189LMX010M2DD  | 0.0553                              | 2.37                                                | 30x30         |
| 18000            | 10   | 189LMX010M2EC  | 0.0553                              | 2.43                                                | 35x25         |
| 18000            | 10   | 189LMX010M2BH  | 0.0553                              | 2.45                                                | 22x50         |
| 18000            | 10   | 189LMX010M2CF  | 0.0553                              | 2.43                                                | 25x40         |
| 18000            | 16   | 189LMX016M2CH  | 0.0414                              | 3.11                                                | 25x50         |
| 18000            | 16   | 189LMX016M2DE  | 0.0414                              | 3.02                                                | 30x35         |
| 18000            | 16   | 189LMX016M2ED  | 0.0414                              | 3.09                                                | 35x30         |
| 18000            | 25   | 189LMX025M2EF  | 0.0276                              | 3.61                                                | 35x40         |
| 18000            | 25   | 189LMX025M2DH  | 0.0276                              | 3.64                                                | 30x50         |
| 18000            | 35   | 189LMX035M2EH  | 0.023                               | 4.29                                                | 35x50         |
| 22000            | 10   | 229LMX010M2BG  | 0.0452                              | 2.65                                                | 22x45         |
| 22000            | 10   | 229LMX010M2CF  | 0.0452                              | 2.7                                                 | 25x40         |
| 22000            | 10   | 229LMX010M2DE  | 0.0452                              | 2.73                                                | 30x35         |
| 22000            | 10   | 229LMX010M2ED  | 0.0452                              | 2.79                                                | 35x30         |
| 22000            | 16   | 229LMX016M2DF  | 0.0339                              | 3.46                                                | 30x40         |
| 22000            | 16   | 229LMX016M2EE  | 0.0339                              | 3.49                                                | 35x35         |
| 27000            | 10   | 279LMX010M2CH  | 0.0368                              | 3.11                                                | 25x50         |
| 27000            | 10   | 279LMX010M2DF  | 0.0368                              | 3.13                                                | 30x40         |
| 27000            | 16   | 279LMX016M2DH  | 0.0276                              | 4.07                                                | 30x50         |
| 27000            | 16   | 279LMX016M2EF  | 0.0276                              | 4.04                                                | 35x40         |
| 27000            | 25   | 279LMX025M2EH  | 0.0301                              | 4.7                                                 | 35x50         |
| 33000            | 10   | 339LMX010M2DE  | 0.0301                              | 3.48                                                | 30x35         |
| 33000            | 10   | 339LMX010M2EE  | 0.0301                              | 3.49                                                | 35x35         |
| 33000            | 10   | 339LMX010M2BH  | 0.0301                              | 3.35                                                | 22x50         |
| 33000            | 10   | 339LMX010M2CG  | 0.0301                              | 3.4                                                 | 25x45         |
| 33000            | 16   | 339LMX016M2EF  | 0.0226                              | 4.65                                                | 35x40         |
| 39000            | 10   | 399LMX010M2DH  | 0.0255                              | 3.99                                                | 30x50         |
| 39000            | 10   | 399LMX010M2EF  | 0.0255                              | 3.96                                                | 35x40         |
| 39000            | 16   | 399LMX016M2EH  | 0.0191                              | 5.16                                                | 35x50         |
| 47000            | 10   | 479LMX010M2DG  | 0.0212                              | 4.15                                                | 30x45         |
| 47000            | 10   | 479LMX010M2EF  | 0.0212                              | 4.62                                                | 35x40         |
| 47000            | 10   | 479LMX010M2EH  | 0.0212                              | 4.62                                                | 35x50         |

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