



LSQ SERIES

85°C Standard, Screw Terminal Type

◆FEATURES

- Load Life : 85°C 3000 hours.
- RoHS compliance.



◆SPECIFICATIONS

| Items                              | Characteristics   |  |      |      |      |    |    |    |      |     |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |      |     |     |     |     |   |         |    |    |    |    |    |    |     |      |     |     |     |    |     |     |      |     |     |     |      |     |      |      |      |         |      |      |     |     |     |         |     |     |      |      |      |                  |
|------------------------------------|---|--|------|------|------|----|----|----|------|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|----|------|-----|-----|-----|-----|---|---------|----|----|----|----|----|----|-----|------|-----|-----|-----|----|-----|-----|------|-----|-----|-----|------|-----|------|------|------|---------|------|------|-----|-----|-----|---------|-----|-----|------|------|------|------------------|
| Category Temperature Range         | -40~+85°C   | -25~+85°C                                  |      |      |      |    |    |    |      |     |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |      |     |     |     |     |   |         |    |    |    |    |    |    |     |      |     |     |     |    |     |     |      |     |     |     |      |     |      |      |      |         |      |      |     |     |     |         |     |     |      |      |      |                  |
| Rated Voltage Range                | 10~100V.DC  | 160~450V.DC                                |      |      |      |    |    |    |      |     |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |      |     |     |     |     |   |         |    |    |    |    |    |    |     |      |     |     |     |    |     |     |      |     |     |     |      |     |      |      |      |         |      |      |     |     |     |         |     |     |      |      |      |                  |
| Capacitance Tolerance              | ±20% (20°C, 120Hz)  |  |      |      |      |    |    |    |      |     |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |      |     |     |     |     |   |         |    |    |    |    |    |    |     |      |     |     |     |    |     |     |      |     |     |     |      |     |      |      |      |         |      |      |     |     |     |         |     |     |      |      |      |                  |
| Dissipation Factor(MAX)<br>(tan δ) | <table border="1"> <thead> <tr> <th>WV \ φD</th> <th>36</th> <th>51</th> <th>64</th> <th>77</th> <th>90</th> </tr> </thead> <tbody> <tr> <td>10</td> <td>0.75</td> <td>1.0</td> <td>1.3</td> <td>1.5</td> <td>1.5</td> </tr> <tr> <td>16</td> <td>0.6</td> <td>0.7</td> <td>0.8</td> <td>1.0</td> <td>1.0</td> </tr> <tr> <td>25</td> <td>0.4</td> <td>0.5</td> <td>0.7</td> <td>0.8</td> <td>0.8</td> </tr> <tr> <td>35</td> <td>0.3</td> <td>0.5</td> <td>0.6</td> <td>0.7</td> <td>0.7</td> </tr> <tr> <td>50</td> <td>0.25</td> <td>0.3</td> <td>0.5</td> <td>0.6</td> <td>0.6</td> </tr> </tbody> </table> | WV \ φD                                    | 36   | 51   | 64   | 77 | 90 | 10 | 0.75 | 1.0 | 1.3 | 1.5 | 1.5 | 16 | 0.6 | 0.7 | 0.8 | 1.0 | 1.0 | 25 | 0.4 | 0.5 | 0.7 | 0.8 | 0.8 | 35 | 0.3 | 0.5 | 0.6 | 0.7 | 0.7 | 50 | 0.25 | 0.3 | 0.5 | 0.6 | 0.6 | <table border="1"> <thead> <tr> <th>WV \ φD</th> <th>36</th> <th>51</th> <th>64</th> <th>77</th> <th>90</th> </tr> </thead> <tbody> <tr> <td>63</td> <td>0.2</td> <td>0.25</td> <td>0.3</td> <td>0.4</td> <td>0.4</td> </tr> <tr> <td>80</td> <td>0.2</td> <td>0.2</td> <td>0.25</td> <td>0.3</td> <td>0.3</td> </tr> <tr> <td>100</td> <td>0.15</td> <td>0.2</td> <td>0.25</td> <td>0.25</td> <td>0.25</td> </tr> <tr> <td>160~250</td> <td>0.15</td> <td>0.15</td> <td>0.2</td> <td>0.2</td> <td>0.2</td> </tr> <tr> <td>315~450</td> <td>0.2</td> <td>0.2</td> <td>0.25</td> <td>0.25</td> <td>0.25</td> </tr> </tbody> </table> | WV \ φD | 36 | 51 | 64 | 77 | 90 | 63 | 0.2 | 0.25 | 0.3 | 0.4 | 0.4 | 80 | 0.2 | 0.2 | 0.25 | 0.3 | 0.3 | 100 | 0.15 | 0.2 | 0.25 | 0.25 | 0.25 | 160~250 | 0.15 | 0.15 | 0.2 | 0.2 | 0.2 | 315~450 | 0.2 | 0.2 | 0.25 | 0.25 | 0.25 | (20°C,<br>120Hz) |
| WV \ φD                            | 36  | 51   | 64   | 77   | 90   |    |    |    |      |     |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |      |     |     |     |     |   |         |    |    |    |    |    |    |     |      |     |     |     |    |     |     |      |     |     |     |      |     |      |      |      |         |      |      |     |     |     |         |     |     |      |      |      |                  |
| 10                                 | 0.75  | 1.0  | 1.3  | 1.5  | 1.5  |    |    |    |      |     |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |      |     |     |     |     |   |         |    |    |    |    |    |    |     |      |     |     |     |    |     |     |      |     |     |     |      |     |      |      |      |         |      |      |     |     |     |         |     |     |      |      |      |                  |
| 16                                 | 0.6   | 0.7  | 0.8  | 1.0  | 1.0  |    |    |    |      |     |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |      |     |     |     |     |   |         |    |    |    |    |    |    |     |      |     |     |     |    |     |     |      |     |     |     |      |     |      |      |      |         |      |      |     |     |     |         |     |     |      |      |      |                  |
| 25                                 | 0.4   | 0.5  | 0.7  | 0.8  | 0.8  |    |    |    |      |     |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |      |     |     |     |     |   |         |    |    |    |    |    |    |     |      |     |     |     |    |     |     |      |     |     |     |      |     |      |      |      |         |      |      |     |     |     |         |     |     |      |      |      |                  |
| 35                                 | 0.3   | 0.5  | 0.6  | 0.7  | 0.7  |    |    |    |      |     |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |      |     |     |     |     |   |         |    |    |    |    |    |    |     |      |     |     |     |    |     |     |      |     |     |     |      |     |      |      |      |         |      |      |     |     |     |         |     |     |      |      |      |                  |
| 50                                 | 0.25  | 0.3  | 0.5  | 0.6  | 0.6  |    |    |    |      |     |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |      |     |     |     |     |   |         |    |    |    |    |    |    |     |      |     |     |     |    |     |     |      |     |     |     |      |     |      |      |      |         |      |      |     |     |     |         |     |     |      |      |      |                  |
| WV \ φD                            | 36  | 51   | 64   | 77   | 90   |    |    |    |      |     |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |      |     |     |     |     |   |         |    |    |    |    |    |    |     |      |     |     |     |    |     |     |      |     |     |     |      |     |      |      |      |         |      |      |     |     |     |         |     |     |      |      |      |                  |
| 63                                 | 0.2   | 0.25                                       | 0.3  | 0.4  | 0.4  |    |    |    |      |     |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |      |     |     |     |     |   |         |    |    |    |    |    |    |     |      |     |     |     |    |     |     |      |     |     |     |      |     |      |      |      |         |      |      |     |     |     |         |     |     |      |      |      |                  |
| 80                                 | 0.2   | 0.2  | 0.25 | 0.3  | 0.3  |    |    |    |      |     |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |      |     |     |     |     |   |         |    |    |    |    |    |    |     |      |     |     |     |    |     |     |      |     |     |     |      |     |      |      |      |         |      |      |     |     |     |         |     |     |      |      |      |                  |
| 100                                | 0.15  | 0.2  | 0.25 | 0.25 | 0.25 |    |    |    |      |     |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |      |     |     |     |     |   |         |    |    |    |    |    |    |     |      |     |     |     |    |     |     |      |     |     |     |      |     |      |      |      |         |      |      |     |     |     |         |     |     |      |      |      |                  |
| 160~250                            | 0.15  | 0.15                                       | 0.2  | 0.2  | 0.2  |    |    |    |      |     |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |      |     |     |     |     |   |         |    |    |    |    |    |    |     |      |     |     |     |    |     |     |      |     |     |     |      |     |      |      |      |         |      |      |     |     |     |         |     |     |      |      |      |                  |
| 315~450                            | 0.2   | 0.2  | 0.25 | 0.25 | 0.25 |    |    |    |      |     |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |      |     |     |     |     |   |         |    |    |    |    |    |    |     |      |     |     |     |    |     |     |      |     |     |     |      |     |      |      |      |         |      |      |     |     |     |         |     |     |      |      |      |                  |
| Leakage Current(MAX)               | I=0.02CV or 5mA whichever is smaller. (After 5 minutes application of rated voltage)<br>I=Leakage Current(μA)      V=Rated Voltage(V)      C=Rated Capacitance(μF)  |  |      |      |      |    |    |    |      |     |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |      |     |     |     |     |   |         |    |    |    |    |    |    |     |      |     |     |     |    |     |     |      |     |     |     |      |     |      |      |      |         |      |      |     |     |     |         |     |     |      |      |      |                  |
| Endurance                          | After applying rated voltage with rated ripple current for 3000hrs at 85°C, the capacitors shall meet the following requirements.   |  |      |      |      |    |    |    |      |     |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |      |     |     |     |     |   |         |    |    |    |    |    |    |     |      |     |     |     |    |     |     |      |     |     |     |      |     |      |      |      |         |      |      |     |     |     |         |     |     |      |      |      |                  |
|                                    | Capacitance Change  | Within ±15% of the initial value.          |      |      |      |    |    |    |      |     |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |      |     |     |     |     |   |         |    |    |    |    |    |    |     |      |     |     |     |    |     |     |      |     |     |     |      |     |      |      |      |         |      |      |     |     |     |         |     |     |      |      |      |                  |
|                                    | Dissipation Factor  | Not more than 175% of the specified value. |      |      |      |    |    |    |      |     |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |      |     |     |     |     |   |         |    |    |    |    |    |    |     |      |     |     |     |    |     |     |      |     |     |     |      |     |      |      |      |         |      |      |     |     |     |         |     |     |      |      |      |                  |
|                                    | Leakage Current   | Not more than the specified value.         |      |      |      |    |    |    |      |     |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |      |     |     |     |     |   |         |    |    |    |    |    |    |     |      |     |     |     |    |     |     |      |     |     |     |      |     |      |      |      |         |      |      |     |     |     |         |     |     |      |      |      |                  |
| Shelf Life                         | After storage for 500 hours with no voltage applied at 85°C, the capacitors shall be subjected to the voltage treatment in JIS C 5102 and shall be meet the following requirements.   |  |      |      |      |    |    |    |      |     |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |      |     |     |     |     |   |         |    |    |    |    |    |    |     |      |     |     |     |    |     |     |      |     |     |     |      |     |      |      |      |         |      |      |     |     |     |         |     |     |      |      |      |                  |
|                                    | Capacitance Change  | Within ±15% of the initial value.          |      |      |      |    |    |    |      |     |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |      |     |     |     |     |   |         |    |    |    |    |    |    |     |      |     |     |     |    |     |     |      |     |     |     |      |     |      |      |      |         |      |      |     |     |     |         |     |     |      |      |      |                  |
|                                    | Dissipation Factor  | Not more than 150% of the specified value. |      |      |      |    |    |    |      |     |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |      |     |     |     |     |   |         |    |    |    |    |    |    |     |      |     |     |     |    |     |     |      |     |     |     |      |     |      |      |      |         |      |      |     |     |     |         |     |     |      |      |      |                  |
|                                    | Leakage Current   | Not more than the specified value.         |      |      |      |    |    |    |      |     |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |      |     |     |     |     |   |         |    |    |    |    |    |    |     |      |     |     |     |    |     |     |      |     |     |     |      |     |      |      |      |         |      |      |     |     |     |         |     |     |      |      |      |                  |

◆MULTIPLIER FOR RIPPLE CURRENT

Frequency coefficient

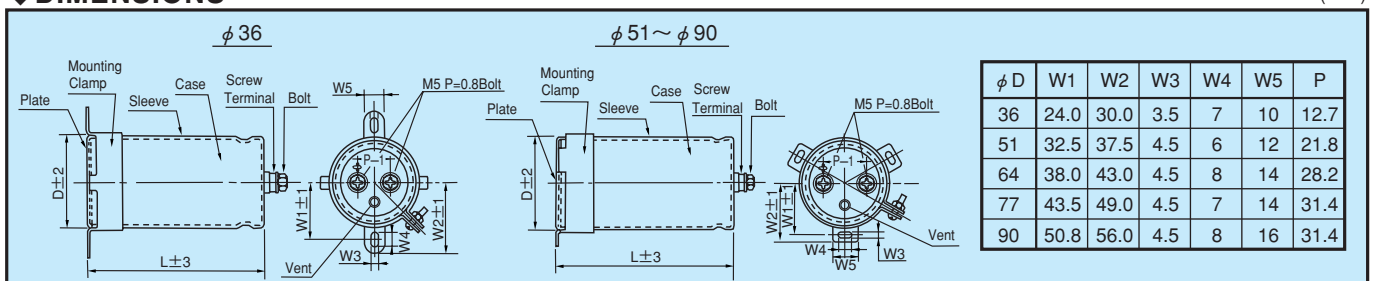
| (Hz) Frequency | 60(50) | 120  | 400  | 1k   | 10k≦ |
|----------------|--------|------|------|------|------|
| 10~50WV        | 0.80   | 1.00 | 1.03 | 1.05 | 1.08 |
| 63~100WV       | 0.80   | 1.00 | 1.05 | 1.07 | 1.10 |
| 160~450WV      | 0.80   | 1.00 | 1.10 | 1.13 | 1.18 |

◆PART NUMBER



◆DIMENSIONS

(mm)





※Please notice the following conditions for use.

- (1) Maximum screw terminal tightening torque; 33kg/Ǝcm or less.
- (2) Maximum ripple current shall be 50Arms or less because of the rated current of M5 screw terminal.

◆STANDARD SIZE, RATED RIPPLE CURRENT

| WV<br>Cap(μF) | 10V    |      | 16V    |      | 25V    |      | 35V    |      | 50V    |      | 63V    |       | 80V    |       |     |
|---------------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|-------|--------|-------|-----|
| 3300          |        |      |        |      |        |      |        |      |        |      |        |       | 36×50  | 2.5   |     |
| 3900          |        |      |        |      |        |      |        |      |        |      |        |       | 36×50  | 2.6   |     |
| 4700          |        |      |        |      |        |      |        |      |        |      |        |       | 36×50  | 2.8   |     |
| 5600          |        |      |        |      |        |      |        |      |        |      |        | 36×50 | 3.0    | 36×63 | 2.9 |
| 6800          |        |      |        |      |        |      |        |      | 36×50  | 3.3  | 36×50  | 3.2   | 36×83  | 3.7   |     |
| 8200          |        |      |        |      |        |      |        |      | 36×50  | 3.7  | 36×63  | 3.8   | 36×83  | 4.2   |     |
| 10000         |        |      |        |      |        |      | 36×50  | 3.6  | 36×50  | 4.3  | 36×83  | 4.1   | 36×98  | 5.0   |     |
| 12000         |        |      |        |      |        |      | 36×50  | 3.7  | 36×63  | 5.3  | 36×83  | 4.4   | 36×118 | 5.4   |     |
| 15000         |        |      |        |      |        |      | 36×50  | 4.0  | 36×83  | 5.5  | 36×98  | 5.5   | 51×83  | 7.7   |     |
| 18000         |        |      |        |      | 36×50  | 5.0  | 36×63  | 4.7  | 36×83  | 5.7  | 36×118 | 6.2   | 51×83  | 7.8   |     |
| 22000         |        |      |        |      | 36×63  | 5.4  | 36×83  | 5.6  | 36×98  | 6.1  | 51×83  | 7.1   | 51×83  | 8.0   |     |
| 27000         |        |      | 36×50  | 5.1  | 36×83  | 5.8  | 36×83  | 6.2  | 36×118 | 6.7  | 51×83  | 7.4   | 51×98  | 8.7   |     |
| 33000         |        |      | 36×63  | 5.5  | 36×83  | 6.0  | 36×83  | 6.3  | 51×83  | 7.1  | 51×98  | 8.8   | 51×118 | 10.5  |     |
| 39000         | 36×50  | 5.3  | 36×83  | 7.0  | 36×83  | 6.7  | 36×98  | 7.6  | 51×83  | 7.4  | 51×118 | 10.0  | 64×99  | 12.1  |     |
| 47000         | 36×63  | 6.0  | 36×83  | 7.3  | 36×98  | 8.0  | 36×118 | 8.7  | 51×98  | 8.7  | 64×99  | 11.9  | 64×99  | 14.4  |     |
| 56000         | 36×83  | 6.3  | 36×98  | 7.6  | 36×118 | 8.4  | 51×83  | 10.0 | 51×98  | 9.8  | 64×99  | 12.6  | 64×119 | 15.0  |     |
| 68000         | 36×83  | 7.9  | 36×98  | 10.3 | 51×83  | 9.3  | 51×83  | 10.8 | 51×118 | 12.0 | 64×119 | 15.0  | 64×139 | 16.8  |     |
| 82000         | 36×83  | 8.4  | 36×118 | 10.5 | 51×83  | 10.0 | 51×98  | 12.0 | 64×99  | 12.3 | 77×101 | 16.4  | 77×121 | 19.4  |     |
| 100000        | 36×118 | 9.3  | 51×83  | 10.9 | 51×98  | 12.0 | 51×118 | 13.6 | 64×119 | 14.2 | 77×121 | 18.9  | 77×141 | 21.5  |     |
| 120000        | 51×83  | 10.0 | 51×98  | 11.1 | 51×118 | 12.9 | 64×99  | 13.8 | 64×119 | 16.0 | 77×141 | 21.6  | 90×141 | 22.3  |     |
| 150000        | 51×83  | 11.0 | 51×98  | 12.6 | 64×99  | 15.3 | 64×99  | 14.6 | 77×121 | 18.6 | 90×141 | 26.0  |        |       |     |
| 180000        | 51×98  | 12.1 | 51×118 | 13.2 | 64×99  | 15.5 | 64×119 | 16.7 | 77×141 | 19.5 |        |       |        |       |     |
| 220000        | 51×98  | 14.0 | 64×99  | 14.7 | 64×119 | 18.0 | 77×101 | 17.4 | 90×141 | 23.3 |        |       |        |       |     |
| 270000        | 51×118 | 14.2 | 64×119 | 15.4 | 77×101 | 18.8 | 77×141 | 23.1 | 90×141 | 24.8 |        |       |        |       |     |
| 330000        | 64×99  | 17.3 | 64×139 | 18.3 | 77×121 | 23.2 | 77×151 | 25.9 |        |      |        |       |        |       |     |
| 390000        | 64×119 | 18.0 | 77×121 | 19.0 | 77×141 | 23.5 | 90×141 | 26.5 |        |      |        |       |        |       |     |
| 470000        | 64×139 | 19.3 | 77×141 | 22.0 | 90×141 | 24.7 | 90×151 | 28.3 |        |      |        |       |        |       |     |
| 560000        | 77×121 | 20.1 | 77×151 | 23.0 | 90×141 | 26.2 |        |      |        |      |        |       |        |       |     |
| 680000        | 77×141 | 24.0 |        |      |        |      |        |      |        |      |        |       |        |       |     |

| WV<br>Cap(μF) | 100V   |      | 160V   |      | 200V   |      | 250V   |      | 350V   |      | 400V   |      | 450V   |      |
|---------------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| 270           |        |      |        |      |        |      |        |      |        |      | 36×50  | 1.3  | 36×50  | 1.6  |
| 330           |        |      |        |      |        |      |        |      |        |      | 36×50  | 1.7  | 36×63  | 1.8  |
| 390           |        |      |        |      |        |      |        |      | 36×50  | 1.9  | 36×63  | 1.8  | 36×83  | 2.2  |
| 470           |        |      |        |      |        |      | 36×50  | 1.6  | 36×63  | 2.1  | 36×83  | 2.3  | 36×83  | 2.4  |
| 560           |        |      |        |      |        |      | 36×50  | 1.6  | 36×83  | 2.4  | 36×83  | 2.7  | 36×98  | 2.8  |
| 680           |        |      |        |      | 36×50  | 1.6  | 36×50  | 1.7  | 36×83  | 2.9  | 36×98  | 2.9  | 36×118 | 3.1  |
| 820           |        |      |        |      | 36×50  | 1.7  | 36×63  | 1.8  | 36×98  | 3.4  | 36×98  | 3.4  | 51×83  | 3.6  |
| 1000          |        |      |        |      | 36×63  | 2.2  | 36×83  | 2.4  | 36×98  | 3.8  | 36×118 | 3.9  | 51×83  | 4.0  |
| 1200          |        |      | 36×50  | 2.3  | 36×63  | 2.3  | 36×83  | 2.4  | 36×118 | 4.2  | 51×83  | 4.2  | 51×98  | 4.8  |
| 1500          |        |      | 36×63  | 3.2  | 36×83  | 2.9  | 36×98  | 3.1  | 51×83  | 4.7  | 51×98  | 4.8  | 51×118 | 5.7  |
| 1800          |        |      | 36×83  | 3.4  | 36×83  | 2.9  | 36×118 | 3.4  | 51×98  | 6.3  | 51×98  | 5.7  | 64×99  | 6.5  |
| 2200          | 36×50  | 2.5  | 36×83  | 3.6  | 36×98  | 3.6  | 51×83  | 3.9  | 51×98  | 6.4  | 51×118 | 7.0  | 64×99  | 7.2  |
| 2700          | 36×50  | 2.7  | 36×98  | 3.8  | 36×118 | 4.0  | 51×83  | 4.0  | 64×99  | 8.8  | 64×99  | 7.9  | 64×119 | 8.7  |
| 3300          | 36×50  | 3.2  | 36×118 | 4.7  | 51×83  | 4.6  | 51×98  | 5.4  | 64×99  | 8.8  | 64×119 | 9.5  | 77×121 | 10.5 |
| 3900          | 36×63  | 3.3  | 51×83  | 5.3  | 51×83  | 4.7  | 51×118 | 6.0  | 64×119 | 10.3 | 77×101 | 10.7 | 77×121 | 12.0 |
| 4700          | 36×83  | 3.5  | 51×83  | 5.6  | 51×98  | 7.1  | 64×99  | 7.3  | 77×101 | 12.0 | 77×121 | 12.8 | 77×141 | 13.3 |
| 5600          | 36×83  | 3.8  | 51×98  | 6.4  | 51×118 | 8.3  | 64×99  | 7.3  | 77×121 | 12.7 | 77×141 | 14.5 | 90×141 | 15.8 |
| 6800          | 36×98  | 4.5  | 51×98  | 7.5  | 64×99  | 9.5  | 64×119 | 8.9  | 77×141 | 16.0 | 77×151 | 17.5 | 90×151 | 18.7 |
| 8200          | 36×118 | 6.0  | 51×118 | 8.1  | 64×99  | 10.0 | 77×101 | 8.9  | 90×141 | 19.0 | 90×141 | 18.0 |        |      |
| 10000         | 36×118 | 6.3  | 64×99  | 9.9  | 64×119 | 11.1 | 77×121 | 11.8 | 90×141 | 20.0 | 90×151 | 20.5 |        |      |
| 12000         | 51×83  | 6.6  | 64×119 | 10.8 | 77×101 | 11.6 | 77×141 | 13.1 |        |      |        |      |        |      |
| 15000         | 51×83  | 8.5  | 77×101 | 12.7 | 77×121 | 12.9 | 90×141 | 16.5 |        |      |        |      |        |      |
| 18000         | 51×98  | 8.9  | 77×121 | 14.1 | 77×141 | 15.2 |        |      |        |      |        |      |        |      |
| 22000         | 51×118 | 10.2 | 77×141 | 16.6 | 90×141 | 15.6 |        |      |        |      |        |      |        |      |
| 27000         | 64×99  | 11.0 | 90×141 | 17.7 |        |      |        |      |        |      |        |      |        |      |
| 33000         | 64×119 | 11.7 | 90×141 | 18.9 |        |      |        |      |        |      |        |      |        |      |
| 39000         | 77×101 | 12.5 |        |      |        |      |        |      |        |      |        |      |        |      |
| 47000         | 77×121 | 14.5 |        |      |        |      |        |      |        |      |        |      |        |      |
| 56000         | 77×141 | 16.2 |        |      |        |      |        |      |        |      |        |      |        |      |
| 68000         | 77×151 | 18.3 |        |      |        |      |        |      |        |      |        |      |        |      |
| 82000         | 90×141 | 20.1 |        |      |        |      |        |      |        |      |        |      |        |      |
| 100000        | 90×141 | 21.0 |        |      |        |      |        |      |        |      |        |      |        |      |

↑ Ripple Current (A r.m.s./120Hz, 85°C)  
Case Size φ D×L(mm)