

LSW シリーズ  
SERIES

105°C 3000時間品  
Load Life : 105°C 3000 hours

RoHS  
compliance



◆規格表／SPECIFICATIONS

| 項 目                                      | Items                                                    | 特 性                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          | Characteristics |      |                               |                                                 |                              |                                                          |                         |                                             |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |      |     |     |     |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |    |    |    |    |    |    |     |      |     |     |     |    |     |     |      |     |     |     |      |     |      |      |      |         |      |      |     |     |     |         |     |     |      |      |      |                    |  |
|------------------------------------------|----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------------|------|-------------------------------|-------------------------------------------------|------------------------------|----------------------------------------------------------|-------------------------|---------------------------------------------|-----|-----|-----|----|-----|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|----|------|-----|-----|-----|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----|----|----|----|----|----|-----|------|-----|-----|-----|----|-----|-----|------|-----|-----|-----|------|-----|------|------|------|---------|------|------|-----|-----|-----|---------|-----|-----|------|------|------|--------------------|--|
| カテゴリ温度範囲<br>Category Temperature Range   |                                                          | -40~+105℃                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          | -25~+105℃       |      |                               |                                                 |                              |                                                          |                         |                                             |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |      |     |     |     |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |    |    |    |    |    |    |     |      |     |     |     |    |     |     |      |     |     |     |      |     |      |      |      |         |      |      |     |     |     |         |     |     |      |      |      |                    |  |
| 定格電圧範囲<br>Rated Voltage Range            |                                                          | 10~100Vdc                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          | 160~400Vdc      |      |                               |                                                 |                              |                                                          |                         |                                             |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |      |     |     |     |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |    |    |    |    |    |    |     |      |     |     |     |    |     |     |      |     |     |     |      |     |      |      |      |         |      |      |     |     |     |         |     |     |      |      |      |                    |  |
| 静電容量許容差<br>Capacitance Tolerance         |                                                          | ±20% (20℃,120Hz)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |                 |      |                               |                                                 |                              |                                                          |                         |                                             |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |      |     |     |     |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |    |    |    |    |    |    |     |      |     |     |     |    |     |     |      |     |     |     |      |     |      |      |      |         |      |      |     |     |     |         |     |     |      |      |      |                    |  |
| 漏れ電流<br>Leakage Current(MAX)             |                                                          | I=0.02CV又は5mAいずれか小なる値以下 (定格電圧印加5分後)<br>I=0.02CV or 5mA whichever is smaller. (After 5 minutes application of rated voltage)<br>I=漏れ電流(μA)                      C=静電容量(μF)                      V=定格電圧(Vdc)<br>Leakage Current                      Capacitance                      Rated Voltage                                                                                                                                                                                                                                                                                                  |          |                 |      |                               |                                                 |                              |                                                          |                         |                                             |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |      |     |     |     |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |    |    |    |    |    |    |     |      |     |     |     |    |     |     |      |     |     |     |      |     |      |      |      |         |      |      |     |     |     |         |     |     |      |      |      |                    |  |
| 損失角の正接 (tanδ)<br>Dissipation Factor(MAX) |                                                          | <table><tr><td>Vdc \ φD</td><td>36</td><td>51</td><td>64</td><td>77</td><td>90</td></tr><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></table>                                                                                 | Vdc \ 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><tr><td>Vdc \ φD</td><td>36</td><td>51</td><td>64</td><td>77</td><td>90</td></tr><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>315~400</td><td>0.2</td><td>0.2</td><td>0.25</td><td>0.25</td><td>0.25</td></tr></table> | Vdc \ 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 | 315~400 | 0.2 | 0.2 | 0.25 | 0.25 | 0.25 | (20℃, )<br>(120Hz) |  |
| Vdc \ 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  |                               |                                                 |                              |                                                          |                         |                                             |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |      |     |     |     |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |    |    |    |    |    |    |     |      |     |     |     |    |     |     |      |     |     |     |      |     |      |      |      |         |      |      |     |     |     |         |     |     |      |      |      |                    |  |
| Vdc \ 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  |                               |                                                 |                              |                                                          |                         |                                             |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |      |     |     |     |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |    |    |    |    |    |    |     |      |     |     |     |    |     |     |      |     |     |     |      |     |      |      |      |         |      |      |     |     |     |         |     |     |      |      |      |                    |  |
| 315~400                                  | 0.2                                                      | 0.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 0.25     | 0.25            | 0.25 |                               |                                                 |                              |                                                          |                         |                                             |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |      |     |     |     |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |    |    |    |    |    |    |     |      |     |     |     |    |     |     |      |     |     |     |      |     |      |      |      |         |      |      |     |     |     |         |     |     |      |      |      |                    |  |
| 耐 久 性<br>Endurance                       |                                                          | 105℃中で3000時間定格電圧(リップル重畳)印加後、下記項目を満足すること。<br>After applying rated voltage with rated ripple current for 3000 hours at 105℃, the capacitors shall meet the following requirements. <table><tr><td>静電容量変化率<br/>Capacitance Change</td><td>初期値の±15%以内<br/>Within ±15% of the initial value.</td></tr><tr><td>損失角の正接<br/>Dissipation Factor</td><td>規格値の175%以下<br/>Not more than 175% of the specified value.</td></tr><tr><td>漏れ電流<br/>Leakage Current</td><td>規格値以下<br/>Not more than the specified value.</td></tr></table>                                                                          |          |                 |      | 静電容量変化率<br>Capacitance Change | 初期値の±15%以内<br>Within ±15% of the initial value. | 損失角の正接<br>Dissipation Factor | 規格値の175%以下<br>Not more than 175% of the specified value. | 漏れ電流<br>Leakage Current | 規格値以下<br>Not more than the specified value. |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |      |     |     |     |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |    |    |    |    |    |    |     |      |     |     |     |    |     |     |      |     |     |     |      |     |      |      |      |         |      |      |     |     |     |         |     |     |      |      |      |                    |  |
| 静電容量変化率<br>Capacitance Change            | 初期値の±15%以内<br>Within ±15% of the initial value.          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |                 |      |                               |                                                 |                              |                                                          |                         |                                             |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |      |     |     |     |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |    |    |    |    |    |    |     |      |     |     |     |    |     |     |      |     |     |     |      |     |      |      |      |         |      |      |     |     |     |         |     |     |      |      |      |                    |  |
| 損失角の正接<br>Dissipation Factor             | 規格値の175%以下<br>Not more than 175% of the specified value. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |                 |      |                               |                                                 |                              |                                                          |                         |                                             |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |      |     |     |     |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |    |    |    |    |    |    |     |      |     |     |     |    |     |     |      |     |     |     |      |     |      |      |      |         |      |      |     |     |     |         |     |     |      |      |      |                    |  |
| 漏れ電流<br>Leakage Current                  | 規格値以下<br>Not more than the specified value.              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |                 |      |                               |                                                 |                              |                                                          |                         |                                             |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |      |     |     |     |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |    |    |    |    |    |    |     |      |     |     |     |    |     |     |      |     |     |     |      |     |      |      |      |         |      |      |     |     |     |         |     |     |      |      |      |                    |  |
| 高温無負荷特性<br>Shelf Life                    |                                                          | 105℃中で500時間無負荷放置した後、JIS C 5101-4 4.1項の電圧処理を行い下記を満足すること。<br>After storage for 500 hours with no voltage applied at 105℃, the capacitors shall be subjected to the voltage treatment in JIS C 5101-4 item 4.1 and shall be meet the following requirements. <table><tr><td>静電容量変化率<br/>Capacitance Change</td><td>初期値の±15%以内<br/>Within ±15% of the initial value.</td></tr><tr><td>損失角の正接<br/>Dissipation Factor</td><td>規格値の150%以下<br/>Not more than 150% of the specified value.</td></tr><tr><td>漏れ電流<br/>Leakage Current</td><td>規格値以下<br/>Not more than the specified value.</td></tr></table> |          |                 |      | 静電容量変化率<br>Capacitance Change | 初期値の±15%以内<br>Within ±15% of the initial value. | 損失角の正接<br>Dissipation Factor | 規格値の150%以下<br>Not more than 150% of the specified value. | 漏れ電流<br>Leakage Current | 規格値以下<br>Not more than the specified value. |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |      |     |     |     |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |    |    |    |    |    |    |     |      |     |     |     |    |     |     |      |     |     |     |      |     |      |      |      |         |      |      |     |     |     |         |     |     |      |      |      |                    |  |
| 静電容量変化率<br>Capacitance Change            | 初期値の±15%以内<br>Within ±15% of the initial value.          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |                 |      |                               |                                                 |                              |                                                          |                         |                                             |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |      |     |     |     |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |    |    |    |    |    |    |     |      |     |     |     |    |     |     |      |     |     |     |      |     |      |      |      |         |      |      |     |     |     |         |     |     |      |      |      |                    |  |
| 損失角の正接<br>Dissipation Factor             | 規格値の150%以下<br>Not more than 150% of the specified value. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |                 |      |                               |                                                 |                              |                                                          |                         |                                             |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |      |     |     |     |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |    |    |    |    |    |    |     |      |     |     |     |    |     |     |      |     |     |     |      |     |      |      |      |         |      |      |     |     |     |         |     |     |      |      |      |                    |  |
| 漏れ電流<br>Leakage Current                  | 規格値以下<br>Not more than the specified value.              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |                 |      |                               |                                                 |                              |                                                          |                         |                                             |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |     |     |     |     |     |    |      |     |     |     |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |    |    |    |    |    |    |     |      |     |     |     |    |     |     |      |     |     |     |      |     |      |      |      |         |      |      |     |     |     |         |     |     |      |      |      |                    |  |

◆リップル電流補正係数／MULTIPLIER FOR RIPPLE CURRENT

| 周波数 (Hz) Frequency | 60 (50) | 120 (100) | 300  | 500  | 10k≤ |
|--------------------|---------|-----------|------|------|------|
| 10~50Vdc           | 0.80    | 1.00      | 1.03 | 1.04 | 1.08 |
| 63~100Vdc          | 0.80    | 1.00      | 1.04 | 1.05 | 1.10 |
| 160~400Vdc         | 0.80    | 1.00      | 1.06 | 1.10 | 1.18 |

◆呼称方法／PART NUMBER

|                       |                 |                     |                                  |               |                     |                     |
|-----------------------|-----------------|---------------------|----------------------------------|---------------|---------------------|---------------------|
| □□□                   | LSW             | □□□□□               | M                                | □□□           | □□                  | D×L                 |
| 定格電圧<br>Rated Voltage | シリーズ名<br>Series | 静電容量<br>Capacitance | 静電容量許容差<br>Capacitance Tolerance | 副記号<br>Option | バンド記号<br>Clamp Code | ケースサイズ<br>Case Size |

◆寸法図／DIMENSIONS

|        |        | (mm) |      |      |     |     |    |      |
|--------|--------|------|------|------|-----|-----|----|------|
| I type | Y type | φD   | W1   | W2   | W3  | W4  | W5 | F    |
|        |        |      |      |      |     |     |    |      |
|        |        | 36   | 24.0 | 30.0 | 3.5 | 7.0 | 10 | 12.7 |
|        |        | 51   | 34.0 | 40.0 | 3.5 | 6.0 | 12 | 21.8 |
|        |        | 64   | 40.0 | 45.0 | 4.5 | 7.0 | 12 | 28.2 |
|        |        | 77   | 47.0 | 53.0 | 4.5 | 6.0 | 12 | 31.4 |
|        |        | 90   | 54.0 | 60.0 | 4.5 | 6.0 | 14 | 31.4 |
|        |        | 51   | 32.5 | 37.5 | 4.5 | 6.0 | 12 | 21.8 |
|        |        | 64   | 38.0 | 43.0 | 4.5 | 8.0 | 14 | 28.2 |
|        |        | 77   | 44.5 | 49.0 | 4.5 | 7.0 | 14 | 31.4 |
|        |        | 90   | 50.8 | 56.0 | 4.5 | 8.0 | 16 | 31.4 |

### ◆標準品一覧表／STANDARD SIZE

| Vdc<br>Cap(μF) | 10          | 16          | 25          | 35          | 50          | 63          | 80          |
|----------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 3300           |             |             |             |             |             |             | 36×50 3.0   |
| 3900           |             |             |             |             |             |             | 36×63 3.3   |
| 4700           |             |             |             |             |             | 36×50 3.2   | 36×83 3.6   |
| 5600           |             |             |             |             |             | 36×63 3.5   | 36×83 3.9   |
| 6800           |             |             |             | 36×50 2.5   | 36×50 3.6   | 36×63 3.8   | 36×83 4.3   |
| 8200           |             |             |             | 36×50 2.8   | 36×63 3.9   | 36×83 4.3   | 36×98 5.1   |
| 10000          |             |             |             | 36×50 3.8   | 36×83 4.2   | 36×83 4.7   | 36×118 5.8  |
| 12000          |             |             |             | 36×63 4.3   | 36×83 5.0   | 36×98 5.6   | 51×83 7.0   |
| 15000          |             |             | 36×50 4.2   | 36×83 4.7   | 36×98 5.5   | 36×118 6.4  | 51×83 7.6   |
| 18000          |             |             | 36×63 4.6   | 36×83 5.1   | 36×98 5.7   | 51×83 7.5   | 51×98 7.7   |
| 22000          |             | 36×50 4.0   | 36×83 5.2   | 36×98 6.6   | 36×118 7.5  | 51×83 7.5   | 51×118 9.0  |
| 27000          | 36×50 4.4   | 36×63 5.0   | 36×83 5.4   | 36×118 6.7  | 51×83 7.5   | 51×98 8.7   | 64×99 10.1  |
| 33000          | 36×63 5.5   | 36×83 5.2   | 36×98 6.5   | 51×83 7.1   | 51×98 9.3   | 51×118 10.3 | 64×119 11.6 |
| 39000          | 36×63 6.0   | 36×83 5.8   | 36×98 7.5   | 51×83 8.4   | 51×98 9.4   | 64×99 11.2  | 64×139 13.5 |
| 47000          | 36×83 6.6   | 36×98 6.8   | 36×118 8.9  | 51×98 9.9   | 51×118 11.7 | 64×119 12.9 | 77×101 15.8 |
| 56000          | 36×83 7.5   | 36×98 6.9   | 51×83 10.0  | 51×98 10.3  | 64×99 12.4  | 64×139 15.2 | 77×121 17.0 |
| 68000          | 36×98 7.6   | 36×118 8.4  | 51×98 10.7  | 51×118 11.4 | 64×119 15.1 | 77×101 16.0 | 77×141 20.4 |
| 82000          | 36×118 9.0  | 51×83 8.4   | 51×98 12.0  | 64×99 12.5  | 77×101 15.5 | 77×121 17.7 | 77×151 21.5 |
| 100000         | 51×83 10.2  | 51×98 11.3  | 51×118 13.1 | 64×119 15.5 | 77×101 16.3 | 77×141 21.5 | 90×151 22.3 |
| 120000         | 51×83 11.0  | 51×98 11.4  | 64×99 13.7  | 77×101 15.5 | 77×121 19.1 | 90×141 22.4 |             |
| 150000         | 51×98 13.4  | 51×118 12.5 | 64×119 16.4 | 77×121 17.9 | 77×141 23.4 |             |             |
| 180000         | 51×118 14.0 | 64×99 14.2  | 77×101 16.7 | 77×141 20.0 | 90×141 23.7 |             |             |
| 220000         | 64×99 14.5  | 64×119 16.6 | 77×121 20.5 | 77×151 24.1 |             |             |             |
| 270000         | 64×119 16.0 | 77×101 17.5 | 77×141 21.3 | 90×141 26.5 |             |             |             |
| 330000         | 77×101 18.0 | 77×121 24.3 | 77×151 26.0 |             |             |             |             |
| 390000         | 77×101 19.5 | 77×141 25.2 | 90×141 27.2 |             |             |             |             |
| 470000         | 77×121 20.0 | 77×151 26.7 |             |             |             |             |             |
| 560000         | 77×141 24.1 | 90×141 29.1 |             |             |             |             |             |
| 680000         | 90×141 26.5 |             |             |             |             |             |             |

| Vdc<br>Cap(μF) | 100         | 160         | 200         | 250         | 315        | 350        | 400        |
|----------------|-------------|-------------|-------------|-------------|------------|------------|------------|
| 220            |             |             |             |             |            | 36×50 0.9  | 36×50 1.0  |
| 270            |             |             |             |             | 36×50 1.0  | 36×50 1.0  | 36×63 1.0  |
| 330            |             |             |             |             | 36×50 1.2  | 36×63 1.2  | 36×63 1.2  |
| 390            |             |             |             |             | 36×63 1.3  | 36×83 1.3  | 36×83 1.4  |
| 470            |             |             |             | 36×50 1.3   | 36×83 1.5  | 36×83 1.5  | 36×98 1.5  |
| 560            |             |             | 36×50 1.4   | 36×63 1.6   | 36×83 1.6  | 36×98 1.7  | 36×98 1.7  |
| 680            |             |             | 36×50 1.5   | 36×83 1.7   | 36×98 1.9  | 36×98 1.9  | 51×83 2.3  |
| 820            |             | 36×50 1.4   | 36×83 1.9   | 36×83 1.9   | 36×118 2.2 | 36×118 2.1 | 51×98 2.4  |
| 1000           |             | 36×63 1.9   | 36×83 2.2   | 36×98 2.3   | 51×83 2.3  | 51×98 2.5  | 51×118 2.7 |
| 1200           |             | 36×83 2.3   | 36×83 2.3   | 36×98 2.4   | 51×98 2.7  | 51×98 2.7  | 51×118 3.0 |
| 1500           |             | 36×83 2.6   | 36×98 2.9   | 36×118 2.9  | 51×98 3.1  | 51×118 3.3 | 64×99 3.5  |
| 1800           |             | 36×83 2.6   | 36×98 2.9   | 36×118 3.0  | 51×118 3.6 | 64×99 3.8  | 64×119 3.6 |
| 2200           | 36×50 2.9   | 36×98 3.2   | 36×118 3.3  | 51×98 3.8   | 64×99 4.2  | 64×119 4.6 | 77×101 4.1 |
| 2700           | 36×63 3.4   | 36×118 3.2  | 51×83 3.8   | 51×118 4.5  | 64×119 4.3 | 77×101 4.6 | 77×121 4.8 |
| 3300           | 36×83 3.9   | 36×118 3.7  | 51×98 4.7   | 64×99 5.2   | 77×101 4.9 | 77×121 5.3 | 77×141 5.7 |
| 3900           | 36×83 4.2   | 51×98 4.3   | 51×118 5.4  | 64×119 5.2  | 77×121 5.8 | 77×141 6.2 | 90×141 6.7 |
| 4700           | 36×83 4.6   | 51×98 4.8   | 64×99 6.2   | 64×119 5.7  | 77×121 6.3 | 90×141 7.4 | 90×141 7.4 |
| 5600           | 36×98 4.9   | 51×118 5.5  | 64×99 6.3   | 77×101 6.4  | 77×141 7.3 | 90×141 8.1 |            |
| 6800           | 36×118 5.5  | 64×99 6.3   | 64×119 7.3  | 77×121 7.6  | 90×141 8.9 |            |            |
| 8200           | 51×83 6.2   | 64×119 7.1  | 77×101 8.5  | 77×141 8.3  |            |            |            |
| 10000          | 51×98 6.7   | 77×101 7.9  | 77×121 9.5  | 90×141 9.9  |            |            |            |
| 12000          | 51×98 7.3   | 77×121 9.0  | 77×141 10.5 | 90×141 10.8 |            |            |            |
| 15000          | 51×118 8.6  | 77×141 11.3 | 90×141 12.5 |             |            |            |            |
| 18000          | 64×99 8.9   | 90×141 13.0 | 90×141 13.3 |             |            |            |            |
| 22000          | 64×119 10.3 | 90×141 14.3 |             |             |            |            |            |
| 27000          | 64×139 12.1 |             |             |             |            |            |            |
| 33000          | 77×121 14.1 |             |             |             |            |            |            |
| 39000          | 77×141 16.5 |             |             |             |            |            |            |
| 47000          | 77×141 18.3 |             |             |             |            |            |            |
| 56000          | 90×141 19.2 |             |             |             |            |            |            |
| 68000          | 90×151 20.1 |             |             |             |            |            |            |

↑ リプル電流 Ripple Current (A r.m.s./120Hz, 105°C)  
↑ ケースサイズ Case Size φD×L(mm)

### ◆ネジの締め付けトルクと許容電流値／Tightening torque of bolt and Permissible current of terminal

| 取り付けバンドネジ<br>Clamp Bolt | 推奨締め付けトルク<br>Recommended Tightening torque |
|-------------------------|--------------------------------------------|
| M3                      | 0.6 [N・m]                                  |
| M4                      | 1.3 [N・m]                                  |

| 端子<br>Terminal | 推奨締め付けトルク(許容値)<br>Recommended Tightening torque<br>(Permissible Range) | 端子許容電流<br>Permissible Current<br>of Terminal |
|----------------|------------------------------------------------------------------------|----------------------------------------------|
| M5             | 2.2(1.5～3.2) [N・m]                                                     | 60[A r.m.s.]                                 |