

LSY シリーズ  
SERIES

85℃ 小形化品  
85℃ Miniaturized

・85℃ 5000時間品。  
Load Life : 85℃ 5000 hours.

RoHS  
compliance



◆規格表／SPECIFICATIONS

| 項 目<br>Items                                  | 特 性<br>Characteristics                                                                                                                   |
|-----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| カ テ ゴ リ 温 度 範 囲<br>Category Temperature Range | -25~+85℃                                                                                                                                 |
| 定 格 電 圧 範 囲<br>Rated Voltage Range            | 350~500Vdc                                                                                                                               |
| 静 電 容 量 許 容 差<br>Capacitance Tolerance        | ±20% (20℃, 120Hz)                                                                                                                        |
| 漏 れ 電 流<br>Leakage Current(MAX)               | I=3 √CV 又は5mAいずれか小なる値以下 (定格電圧印加5分後)<br>I=3 √CV or 5mA whichever is smaller. (After 5 minutes application of rated voltage)<br>I=漏れ電流(μA) |

◆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  | 1k   | 10k≤ |
|--------------------|------------|---------|-----------|------|------|------|------|
| 係 数<br>Coefficient | 350~450Vdc | 0.80    | 1.00      | 1.17 | 1.23 | 1.30 | 1.40 |
|                    | 500Vdc     | 0.80    | 1.00      | 1.15 | 1.20 | 1.25 | 1.30 |

◆呼称方法／PART NUMBER

|                       |                 |                     |                                  |               |                     |                     |
|-----------------------|-----------------|---------------------|----------------------------------|---------------|---------------------|---------------------|
| □□□                   | LSY             | □□□□□               | 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 | φD | W1   | W2   | W3  | W4  | W5 | F    |  |
|        | 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 |  |
| Y type | φD | W1   | W2   | W3  | W4  | W5 | F    |  |
|        | 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 |  |

### ◆標準品一覧表／STANDARD SIZE

| 定格電圧<br>Rated Voltage<br>(Vdc) | 静電容量<br>Capacitance<br>( $\mu$ F) | 外形寸法<br>Size<br>$\phi$ DXL (mm) | リップル電流<br>Ripple Current<br>(A.r.m.s. 85°C, 120Hz) |
|--------------------------------|-----------------------------------|---------------------------------|----------------------------------------------------|
| 350                            | 2200                              | 51×83                           | 7.4                                                |
|                                | 2700                              | 51×98                           | 8.4                                                |
|                                | 3300                              | 51×118                          | 9.5                                                |
|                                | 3900                              | 51×133                          | 10.5                                               |
|                                | 4700                              | 64×102                          | 12.3                                               |
|                                | 5600                              | 64×119                          | 13.7                                               |
|                                | 6800                              | 64×139                          | 15.4                                               |
|                                | 8200                              | 77×116                          | 18.7                                               |
|                                | 10000                             | 77×136                          | 21.1                                               |
|                                | 12000                             | 77×176                          | 24.0                                               |
|                                | 15000                             | 90×146                          | 30.7                                               |
|                                | 18000                             | 90×171                          | 34.5                                               |
| 400                            | 22000                             | 90×221                          | 40.4                                               |
|                                | 2700                              | 51×113                          | 8.8                                                |
|                                | 3300                              | 51×133                          | 10.0                                               |
|                                | 3900                              | 64×99                           | 11.6                                               |
|                                | 4700                              | 64×134                          | 12.9                                               |
|                                | 5600                              | 64×144                          | 14.7                                               |
|                                | 6800                              | 77×121                          | 18.0                                               |
|                                | 8200                              | 77×141                          | 20.2                                               |
|                                | 10000                             | 77×176                          | 23.0                                               |
|                                | 12000                             | 90×176                          | 30.4                                               |
|                                | 15000                             | 90×181                          | 33.5                                               |
|                                | 18000                             | 90×211                          | 37.5                                               |

| 定格電圧<br>Rated Voltage<br>(Vdc) | 静電容量<br>Capacitance<br>( $\mu$ F) | 外形寸法<br>Size<br>$\phi$ DXL (mm) | リップル電流<br>Ripple Current<br>(A.r.m.s. 85°C, 120Hz) |
|--------------------------------|-----------------------------------|---------------------------------|----------------------------------------------------|
| 450                            | 2200                              | 51×113                          | 8.3                                                |
|                                | 2700                              | 51×133                          | 9.4                                                |
|                                | 3300                              | 64×104                          | 11.1                                               |
|                                | 3900                              | 64×134                          | 12.7                                               |
|                                | 4700                              | 77×116                          | 15.5                                               |
|                                | 5600                              | 77×136                          | 17.3                                               |
|                                | 6800                              | 77×146                          | 19.2                                               |
|                                | 8200                              | 77×176                          | 21.5                                               |
|                                | 10000                             | 90×176                          | 28.7                                               |
|                                | 12000                             | 90×176                          | 31.0                                               |
|                                | 15000                             | 90×216                          | 35.7                                               |
| 500                            | 1500                              | 51×98                           | 6.0                                                |
|                                | 1800                              | 51×133                          | 7.0                                                |
|                                | 2200                              | 51×143                          | 7.7                                                |
|                                | 2700                              | 64×114                          | 9.0                                                |
|                                | 3300                              | 64×134                          | 10.2                                               |
|                                | 4700                              | 77×136                          | 14.2                                               |
|                                | 5600                              | 77×176                          | 16.6                                               |
|                                | 6800                              | 90×176                          | 22.2                                               |
|                                | 8200                              | 90×176                          | 24.2                                               |
|                                | 10000                             | 90×211                          | 27.4                                               |

### ◆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.]                                |

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| <a href="#"><u>450LSY8200MNB77X176</u></a>  | <a href="#"><u>400LSY3300MNB51X133</u></a>  | <a href="#"><u>450LSY2700MNB51X133</u></a>  | <a href="#"><u>450LSY3300MNB64X104</u></a>  |
| <a href="#"><u>350LSY4700MNB64X102</u></a>  | <a href="#"><u>400LSY8200MNB77X141</u></a>  | <a href="#"><u>350LSY2700MNB51X98</u></a>   | <a href="#"><u>350LSY8200MNB77X116</u></a>  |
| <a href="#"><u>500LSY1800MNB51X133</u></a>  | <a href="#"><u>500LSY2200MNB51X143</u></a>  | <a href="#"><u>500LSY4700MNB77X136</u></a>  | <a href="#"><u>400LSY12000MNB90X176</u></a> |
| <a href="#"><u>400LSY3900MNB64X99</u></a>   | <a href="#"><u>500LSY10000MNB90X211</u></a> | <a href="#"><u>450LSY10000MNB90X176</u></a> | <a href="#"><u>350LSY12000MNB77X176</u></a> |
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| <a href="#"><u>450LSY12000MNB90X176</u></a> |                                             |                                             |                                             |