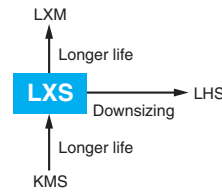


# LXS Series

- For solar power generation
- Endurance with ripple current : 5,000 hours at 105°C
- Rated voltage range : 160 to 600V
- Downsized from LXQ series
- Non solvent resistant type
- RoHS2 Compliant



**600V  
Lineup!**



## ◆ SPECIFICATIONS

| Items   | Characteristics   |   |             |
|---|---|---|-------------|
| <b>Category</b>   | -25 to +105°C   |   |             |
| <b>Temperature Range</b>                                      | -25 to +105°C   |   |             |
| <b>Rated Voltage Range</b>                                    | 160 to 600V <sub>dc</sub>   |   |             |
| <b>Capacitance Tolerance</b>                                  | ±20% (M) (at 20°C, 120Hz)   |   |             |
| <b>Leakage Current</b>  | I ≤ 3/CV<br>Where, I : Max. leakage current (µA), C : Nominal capacitance (µF), V : Rated voltage (V) (at 20°C after 5 minutes)   |   |             |
| <b>Dissipation Factor (tan δ)</b>                             | Rated voltage (V <sub>dc</sub> )  | 160 to 400V   | 420 to 600V |
|   | tan δ (Max.)  | 0.15  | 0.20        |
| <b>Low Temperature Characteristics (Max. Impedance Ratio)</b> | Rated voltage (V <sub>dc</sub> )  | 160 to 400V   | 420 to 600V |
|   | Z(-25°C)/Z(+20°C)   | 4   | 8           |
| <b>Endurance</b>  | The following specifications shall be satisfied when the capacitors are restored to 20°C after subjected to DC voltage with the rated ripple current is applied (the peak voltage shall not exceed the rated voltage) for 5,000 hours at 105°C.   |   |             |
|   | Capacitance change  | ≤ ±20% of the initial value   |             |
|   | D.F. (tan δ)  | ≤ 200% of the initial specified value (500V <sub>dc</sub> : ≤ 250%, 550, 600V <sub>dc</sub> : ≤ 300%) |             |
|   | Leakage current   | ≤ The initial specified value   |             |
| <b>Shelf Life</b>   | The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1,000 hours at 105°C without voltage applied. Before the measurement, the capacitor shall be preconditioned by applying voltage according to Item 4.1 of JIS C 5101-4. |   |             |
|   | Capacitance change  | ≤ ±15% of the initial value   |             |
|   | D.F. (tan δ)  | ≤ 150% of the initial specified value   |             |
|   | Leakage current   | ≤ The initial specified value   |             |

## ◆ DIMENSIONS [mm]

● Terminal Code : VS (φ22 to φ35) : Standard

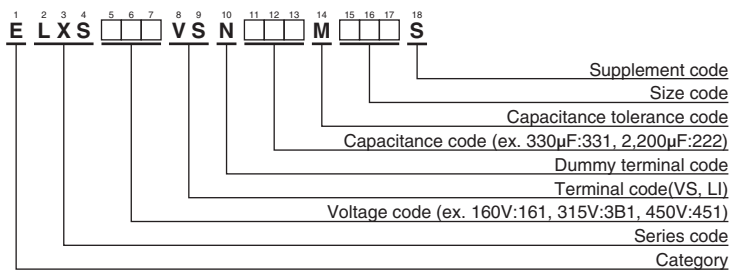


● Terminal Code : LI (φ30, φ35)



The standard design has no plastic disc.

## ◆ PART NUMBERING SYSTEM



Please refer to "Product code guide (snap-in type)"

### ◆STANDARD RATINGS

| WV (V <sub>dc</sub> ) | Cap (μF) | Case size φD×L(mm) | tan δ | Rated ripple current (Arms/105°C, 120Hz) | Part No.           | WV (V <sub>dc</sub> ) | Cap (μF)  | Case size φD×L(mm) | tan δ              | Rated ripple current (Arms/105°C, 120Hz) | Part No.           |
|-----------------------|----------|--------------------|-------|--|--------------------|-----------------------|-----------|--------------------|--------------------|--|--------------------|
|                       |          |                    |       |  |                    |                       |           |                    |                    |  |                    |
| 160                   | 470      | 22 × 25            | 0.15  | 1.47                                     | ELXS161VSN471MP25S | 200                   | 1,500     | 35 × 35            | 0.15               | 3.36                                     | ELXS201VSN152MA35S |
|                       | 680      | 22 × 30            | 0.15  | 1.86                                     | ELXS161VSN681MP30S |                       | 1,800     | 30 × 50            | 0.15               | 3.72                                     | ELXS201VSN182MR50S |
|                       | 680      | 25.4 × 25          | 0.15  | 1.84                                     | ELXS161VSN681MQ25S |                       | 1,800     | 35 × 40            | 0.15               | 3.81                                     | ELXS201VSN182MA40S |
|                       | 820      | 22 × 35            | 0.15  | 2.09                                     | ELXS161VSN821MP35S |                       | 2,200     | 35 × 45            | 0.15               | 4.32                                     | ELXS201VSN222MA45S |
|                       | 820      | 25.4 × 30          | 0.15  | 2.08                                     | ELXS161VSN821MQ30S |                       | 2,700     | 35 × 50            | 0.15               | 4.88                                     | ELXS201VSN272MA50S |
|                       | 1,000    | 22 × 40            | 0.15  | 2.35                                     | ELXS161VSN102MP40S |                       | 250       | 270                | 22 × 25            | 0.15                                     | 1.11               |
|                       | 1,000    | 22 × 45            | 0.15  | 2.40                                     | ELXS161VSN102MP45S | 330                   |           | 22 × 30            | 0.15               | 1.29                                     | ELXS251VSN331MP30S |
|                       | 1,000    | 25.4 × 35          | 0.15  | 2.40                                     | ELXS161VSN102MQ35S | 390                   |           | 22 × 35            | 0.15               | 1.44                                     | ELXS251VSN391MP35S |
|                       | 1,000    | 30 × 25            | 0.15  | 2.50                                     | ELXS161VSN102MR25S | 390                   |           | 25.4 × 25          | 0.15               | 1.40                                     | ELXS251VSN391MQ25S |
|                       | 1,200    | 22 × 50            | 0.15  | 2.69                                     | ELXS161VSN122MP50S | 470                   |           | 22 × 40            | 0.15               | 1.61                                     | ELXS251VSN471MP40S |
|                       | 1,200    | 25.4 × 40          | 0.15  | 2.68                                     | ELXS161VSN122MQ40S | 470                   |           | 25.4 × 30          | 0.15               | 1.57                                     | ELXS251VSN471MQ30S |
|                       | 1,200    | 30 × 30            | 0.15  | 2.77                                     | ELXS161VSN122MR30S | 560                   |           | 22 × 45            | 0.15               | 1.79                                     | ELXS251VSN561MP45S |
|                       | 1,200    | 35 × 25            | 0.15  | 2.91                                     | ELXS161VSN122MA25S | 560                   |           | 25.4 × 35          | 0.15               | 1.79                                     | ELXS251VSN561MQ35S |
|                       | 1,500    | 25.4 × 45          | 0.15  | 3.05                                     | ELXS161VSN152MQ45S | 560                   |           | 30 × 25            | 0.15               | 1.87                                     | ELXS251VSN561MR25S |
|                       | 1,500    | 30 × 35            | 0.15  | 3.17                                     | ELXS161VSN152MR35S | 680                   |           | 22 × 50            | 0.15               | 2.02                                     | ELXS251VSN681MP50S |
|                       | 1,800    | 25.4 × 50          | 0.15  | 3.40                                     | ELXS161VSN182MQ50S | 680                   |           | 25.4 × 40          | 0.15               | 2.02                                     | ELXS251VSN681MQ40S |
|                       | 1,800    | 30 × 40            | 0.15  | 3.57                                     | ELXS161VSN182MR40S | 680                   |           | 30 × 30            | 0.15               | 2.08                                     | ELXS251VSN681MR30S |
|                       | 1,800    | 35 × 30            | 0.15  | 3.62                                     | ELXS161VSN182MA30S | 680                   |           | 35 × 25            | 0.15               | 2.19                                     | ELXS251VSN681MA25S |
|                       | 2,200    | 30 × 45            | 0.15  | 4.05                                     | ELXS161VSN222MR45S | 820                   |           | 25.4 × 45          | 0.15               | 2.26                                     | ELXS251VSN821MQ45S |
|                       | 2,200    | 30 × 50            | 0.15  | 4.11                                     | ELXS161VSN222MR50S | 820                   | 25.4 × 50 | 0.15               | 2.29               | ELXS251VSN821MQ50S                       |                    |
| 2,200                 | 35 × 35  | 0.15               | 4.07  | ELXS161VSN222MA35S                       | 820                | 30 × 35               | 0.15      | 2.34               | ELXS251VSN821MR35S |  |                    |
| 2,700                 | 35 × 40  | 0.15               | 4.67  | ELXS161VSN272MA40S                       | 820                | 35 × 30               | 0.15      | 2.45               | ELXS251VSN821MA30S |  |                    |
| 2,700                 | 35 × 45  | 0.15               | 4.78  | ELXS161VSN272MA45S                       | 1,000              | 30 × 40               | 0.15      | 2.66               | ELXS251VSN102MR40S |  |                    |
| 3,300                 | 35 × 50  | 0.15               | 5.40  | ELXS161VSN332MA50S                       | 1,200              | 30 × 45               | 0.15      | 2.99               | ELXS251VSN122MR45S |  |                    |
| 180                   | 390      | 22 × 25            | 0.15  | 1.34                                     | ELXS181VSN391MP25S | 1,200                 | 30 × 50   | 0.15               | 3.04               | ELXS251VSN122MR50S                       |                    |
|                       | 560      | 22 × 30            | 0.15  | 1.68                                     | ELXS181VSN561MP30S | 1,200                 | 35 × 35   | 0.15               | 3.00               | ELXS251VSN122MA35S                       |                    |
|                       | 560      | 25.4 × 25          | 0.15  | 1.67                                     | ELXS181VSN561MQ25S | 1,200                 | 35 × 40   | 0.15               | 3.11               | ELXS251VSN122MA40S                       |                    |
|                       | 680      | 22 × 35            | 0.15  | 1.90                                     | ELXS181VSN681MP35S | 1,500                 | 35 × 45   | 0.15               | 3.56               | ELXS251VSN152MA45S                       |                    |
|                       | 820      | 22 × 40            | 0.15  | 2.13                                     | ELXS181VSN821MP40S | 1,800                 | 35 × 50   | 0.15               | 3.98               | ELXS251VSN182MA50S                       |                    |
|                       | 820      | 25.4 × 30          | 0.15  | 2.08                                     | ELXS181VSN821MQ30S | 315                   | 180       | 22 × 25            | 0.15               | 0.95                                     | ELXS3B1VSN181MP25S |
|                       | 820      | 25.4 × 35          | 0.15  | 2.17                                     | ELXS181VSN821MQ35S |                       | 220       | 22 × 30            | 0.15               | 1.10                                     | ELXS3B1VSN221MP30S |
|                       | 820      | 30 × 25            | 0.15  | 2.26                                     | ELXS181VSN821MR25S |                       | 220       | 25.4 × 25          | 0.15               | 1.10                                     | ELXS3B1VSN221MQ25S |
|                       | 1,000    | 22 × 45            | 0.15  | 2.40                                     | ELXS181VSN102MP45S |                       | 270       | 22 × 35            | 0.15               | 1.24                                     | ELXS3B1VSN271MP35S |
|                       | 1,000    | 22 × 50            | 0.15  | 2.45                                     | ELXS181VSN102MP50S |                       | 270       | 25.4 × 30          | 0.15               | 1.25                                     | ELXS3B1VSN271MQ30S |
|                       | 1,000    | 25.4 × 40          | 0.15  | 2.45                                     | ELXS181VSN102MQ40S |                       | 330       | 22 × 40            | 0.15               | 1.40                                     | ELXS3B1VSN331MP40S |
|                       | 1,000    | 30 × 30            | 0.15  | 2.52                                     | ELXS181VSN102MR30S |                       | 330       | 30 × 25            | 0.15               | 1.43                                     | ELXS3B1VSN331MR25S |
|                       | 1,000    | 35 × 25            | 0.15  | 2.66                                     | ELXS181VSN102MA25S |                       | 390       | 22 × 45            | 0.15               | 1.56                                     | ELXS3B1VSN391MP45S |
|                       | 1,200    | 25.4 × 45          | 0.15  | 2.73                                     | ELXS181VSN122MQ45S |                       | 390       | 22 × 50            | 0.15               | 1.59                                     | ELXS3B1VSN391MP50S |
|                       | 1,200    | 30 × 35            | 0.15  | 2.83                                     | ELXS181VSN122MR35S |                       | 390       | 25.4 × 35          | 0.15               | 1.57                                     | ELXS3B1VSN391MQ35S |
|                       | 1,500    | 25.4 × 50          | 0.15  | 3.10                                     | ELXS181VSN152MQ50S |                       | 470       | 25.4 × 40          | 0.15               | 1.76                                     | ELXS3B1VSN471MQ40S |
|                       | 1,500    | 30 × 40            | 0.15  | 3.26                                     | ELXS181VSN152MR40S |                       | 470       | 25.4 × 45          | 0.15               | 1.79                                     | ELXS3B1VSN471MQ45S |
|                       | 1,500    | 35 × 30            | 0.15  | 3.31                                     | ELXS181VSN152MA30S |                       | 470       | 30 × 30            | 0.15               | 1.73                                     | ELXS3B1VSN471MR30S |
|                       | 1,800    | 30 × 45            | 0.15  | 3.66                                     | ELXS181VSN182MR45S |                       | 470       | 35 × 25            | 0.15               | 1.82                                     | ELXS3B1VSN471MA25S |
|                       | 1,800    | 35 × 35            | 0.15  | 3.68                                     | ELXS181VSN182MA35S | 560                   | 25.4 × 50 | 0.15               | 1.99               | ELXS3B1VSN561MQ50S                       |                    |
| 2,200                 | 30 × 50  | 0.15               | 4.11  | ELXS181VSN222MR50S                       | 560                | 30 × 35               | 0.15      | 1.93               | ELXS3B1VSN561MR35S |  |                    |
| 2,200                 | 35 × 40  | 0.15               | 4.22  | ELXS181VSN222MA40S                       | 560                | 35 × 30               | 0.15      | 2.02               | ELXS3B1VSN561MA30S |  |                    |
| 2,200                 | 35 × 45  | 0.15               | 4.32  | ELXS181VSN222MA45S                       | 680                | 30 × 40               | 0.15      | 2.19               | ELXS3B1VSN681MR40S |  |                    |
| 2,700                 | 35 × 50  | 0.15               | 4.88  | ELXS181VSN272MA50S                       | 680                | 30 × 45               | 0.15      | 2.25               | ELXS3B1VSN681MR45S |  |                    |
| 200                   | 390      | 22 × 25            | 0.15  | 1.34                                     | ELXS201VSN391MP25S | 680                   | 35 × 35   | 0.15               | 2.26               | ELXS3B1VSN681MA35S                       |                    |
|                       | 470      | 22 × 30            | 0.15  | 1.54                                     | ELXS201VSN471MP30S | 820                   | 30 × 50   | 0.15               | 2.51               | ELXS3B1VSN821MR50S                       |                    |
|                       | 560      | 22 × 35            | 0.15  | 1.72                                     | ELXS201VSN561MP35S | 820                   | 35 × 40   | 0.15               | 2.57               | ELXS3B1VSN821MA40S                       |                    |
|                       | 560      | 25.4 × 25          | 0.15  | 1.67                                     | ELXS201VSN561MQ25S | 1,000                 | 35 × 45   | 0.15               | 2.91               | ELXS3B1VSN102MA45S                       |                    |
|                       | 680      | 22 × 40            | 0.15  | 1.94                                     | ELXS201VSN681MP40S | 1,200                 | 35 × 50   | 0.15               | 3.25               | ELXS3B1VSN122MA50S                       |                    |
|                       | 680      | 25.4 × 30          | 0.15  | 1.89                                     | ELXS201VSN681MQ30S | 400                   | 120       | 22 × 25            | 0.15               | 0.77                                     | ELXS401VSN121MP25S |
|                       | 680      | 30 × 25            | 0.15  | 2.06                                     | ELXS201VSN681MR25S |                       | 150       | 22 × 30            | 0.15               | 0.90                                     | ELXS401VSN151MP30S |
|                       | 820      | 22 × 45            | 0.15  | 2.17                                     | ELXS201VSN821MP45S |                       | 180       | 22 × 35            | 0.15               | 1.02                                     | ELXS401VSN181MP35S |
|                       | 820      | 25.4 × 35          | 0.15  | 2.17                                     | ELXS201VSN821MQ35S |                       | 180       | 25.4 × 25          | 0.15               | 0.99                                     | ELXS401VSN181MQ25S |
|                       | 1,000    | 22 × 50            | 0.15  | 2.45                                     | ELXS201VSN102MP50S |                       | 220       | 22 × 40            | 0.15               | 1.15                                     | ELXS401VSN221MP40S |
|                       | 1,000    | 25.4 × 40          | 0.15  | 2.45                                     | ELXS201VSN102MQ40S |                       | 220       | 25.4 × 30          | 0.15               | 1.13                                     | ELXS401VSN221MQ30S |
|                       | 1,000    | 30 × 30            | 0.15  | 2.52                                     | ELXS201VSN102MR30S |                       | 220       | 30 × 25            | 0.15               | 1.17                                     | ELXS401VSN221MQ25S |
|                       | 1,000    | 35 × 25            | 0.15  | 2.66                                     | ELXS201VSN102MA25S |                       | 270       | 22 × 45            | 0.15               | 1.29                                     | ELXS401VSN271MP45S |
|                       | 1,200    | 25.4 × 45          | 0.15  | 2.73                                     | ELXS201VSN122MQ45S |                       | 270       | 22 × 50            | 0.15               | 1.32                                     | ELXS401VSN271MP50S |
|                       | 1,200    | 25.4 × 50          | 0.15  | 2.78                                     | ELXS201VSN122MQ50S |                       | 270       | 25.4 × 35          | 0.15               | 1.30                                     | ELXS401VSN271MQ35S |
|                       | 1,200    | 30 × 35            | 0.15  | 2.83                                     | ELXS201VSN122MR35S |                       | 330       | 25.4 × 40          | 0.15               | 1.47                                     | ELXS401VSN331MQ40S |
|                       | 1,200    | 35 × 30            | 0.15  | 2.96                                     | ELXS201VSN122MA30S |                       | 330       | 30 × 30            | 0.15               | 1.45                                     | ELXS401VSN331MR30S |
|                       | 1,500    | 30 × 40            | 0.15  | 3.26                                     | ELXS201VSN152MR40S |                       | 330       | 35 × 25            | 0.15               | 1.52                                     | ELXS401VSN331MA25S |
|                       | 1,500    | 30 × 45            | 0.15  | 3.34                                     | ELXS201VSN152MR45S |                       | 390       | 25.4 × 45          | 0.15               | 1.63                                     | ELXS401VSN391MQ45S |

◆STANDARD RATINGS

| WV (V <sub>dc</sub> ) | Cap (μF) | Case size φD×L(mm) | tan δ | Rated ripple current (Arms/105°C, 120Hz) | Part No.           | WV (V <sub>dc</sub> ) | Cap (μF) | Case size φD×L(mm) | tan δ              | Rated ripple current (Arms/105°C, 120Hz) | Part No.           |
|-----------------------|----------|--------------------|-------|--|--------------------|-----------------------|----------|--------------------|--------------------|--|--------------------|
| 400                   | 390      | 25.4 × 50          | 0.15  | 1.66                                     | ELXS401VSN391MQ50S | 450                   | 220      | 30 × 30            | 0.20               | 1.18                                     | ELXS451VSN221MR30S |
|                       | 390      | 30 × 35            | 0.15  | 1.61                                     | ELXS401VSN391MR35S |                       | 220      | 35 × 25            | 0.20               | 1.24                                     | ELXS451VSN221MA25S |
|                       | 390      | 35 × 30            | 0.15  | 1.68                                     | ELXS401VSN391MA30S |                       | 270      | 25.4 × 45          | 0.20               | 1.36                                     | ELXS451VSN271MQ45S |
|                       | 470      | 30 × 40            | 0.15  | 1.82                                     | ELXS401VSN471MR40S |                       | 270      | 25.4 × 50          | 0.20               | 1.38                                     | ELXS451VSN271MQ50S |
|                       | 470      | 35 × 35            | 0.15  | 1.88                                     | ELXS401VSN471MA35S |                       | 270      | 30 × 35            | 0.20               | 1.34                                     | ELXS451VSN271MR35S |
|                       | 560      | 30 × 45            | 0.15  | 2.04                                     | ELXS401VSN561MR45S |                       | 270      | 35 × 30            | 0.20               | 1.40                                     | ELXS451VSN271MA30S |
|                       | 560      | 30 × 50            | 0.15  | 2.07                                     | ELXS401VSN561MP50S |                       | 330      | 30 × 40            | 0.20               | 1.52                                     | ELXS451VSN331MR40S |
|                       | 560      | 35 × 40            | 0.15  | 2.13                                     | ELXS401VSN561MA40S |                       | 390      | 30 × 45            | 0.20               | 1.70                                     | ELXS451VSN391MR45S |
|                       | 680      | 35 × 45            | 0.15  | 2.40                                     | ELXS401VSN681MA45S |                       | 390      | 30 × 50            | 0.20               | 1.73                                     | ELXS451VSN391MR50S |
| 820                   | 35 × 50  | 0.15               | 2.69  | ELXS401VSN821MA50S                       | 390                | 35 × 35               | 0.20     | 1.71               | ELXS451VSN391MA35S |  |                    |
| 420                   | 100      | 22 × 25            | 0.20  | 0.70                                     | ELXS421VSN101MP25S | 470                   | 35 × 40  | 0.20               | 1.95               | ELXS451VSN471MA40S                       |                    |
|                       | 120      | 22 × 30            | 0.20  | 0.81                                     | ELXS421VSN121MP30S | 470                   | 35 × 45  | 0.20               | 1.99               | ELXS451VSN471MA45S                       |                    |
|                       | 120      | 25.4 × 25          | 0.20  | 0.81                                     | ELXS421VSN121MQ25S | 560                   | 35 × 50  | 0.20               | 2.22               | ELXS451VSN561MA50S                       |                    |
|                       | 150      | 22 × 35            | 0.20  | 0.93                                     | ELXS421VSN151MP35S | 100                   | 30 × 25  | 0.20               | 0.82               | ELXS501VSN101MR25S                       |                    |
|                       | 180      | 22 × 40            | 0.20  | 1.04                                     | ELXS421VSN181MP40S | 120                   | 30 × 30  | 0.20               | 0.91               | ELXS501VSN121MR30S                       |                    |
|                       | 180      | 25.4 × 30          | 0.20  | 1.02                                     | ELXS421VSN181MQ30S | 120                   | 35 × 25  | 0.20               | 0.88               | ELXS501VSN121MA25S                       |                    |
|                       | 180      | 30 × 25            | 0.20  | 1.06                                     | ELXS421VSN181MR25S | 150                   | 30 × 35  | 0.20               | 1.04               | ELXS501VSN151MR35S                       |                    |
|                       | 220      | 22 × 45            | 0.20  | 1.17                                     | ELXS421VSN221MP45S | 180                   | 30 × 40  | 0.20               | 1.17               | ELXS501VSN181MR40S                       |                    |
|                       | 220      | 22 × 50            | 0.20  | 1.20                                     | ELXS421VSN221MP50S | 180                   | 35 × 30  | 0.20               | 1.10               | ELXS501VSN181MA30S                       |                    |
|                       | 220      | 25.4 × 35          | 0.20  | 1.18                                     | ELXS421VSN221MQ35S | 220                   | 30 × 45  | 0.20               | 1.33               | ELXS501VSN221MR45S                       |                    |
|                       | 270      | 25.4 × 40          | 0.20  | 1.33                                     | ELXS421VSN271MQ40S | 220                   | 35 × 35  | 0.20               | 1.23               | ELXS501VSN221MA35S                       |                    |
|                       | 270      | 25.4 × 45          | 0.20  | 1.36                                     | ELXS421VSN271MQ45S | 270                   | 30 × 50  | 0.20               | 1.50               | ELXS501VSN271MR50S                       |                    |
|                       | 270      | 30 × 30            | 0.20  | 1.31                                     | ELXS421VSN271MR30S | 270                   | 35 × 40  | 0.20               | 1.42               | ELXS501VSN271MA40S                       |                    |
|                       | 270      | 35 × 25            | 0.20  | 1.38                                     | ELXS421VSN271MA25S | 330                   | 35 × 45  | 0.20               | 1.60               | ELXS501VSN331MA45S                       |                    |
|                       | 330      | 25.4 × 50          | 0.20  | 1.52                                     | ELXS421VSN331MQ50S | 390                   | 35 × 50  | 0.20               | 1.78               | ELXS501VSN391MA50S                       |                    |
|                       | 330      | 30 × 35            | 0.20  | 1.48                                     | ELXS421VSN331MR35S | 470                   | 35 × 60  | 0.20               | 2.03               | ELXS501VSN471MA60S                       |                    |
|                       | 330      | 35 × 30            | 0.20  | 1.55                                     | ELXS421VSN331MA30S | 120                   | 30 × 30  | 0.20               | 0.91               | ELXS551VSN121MR30S                       |                    |
|                       | 390      | 30 × 40            | 0.20  | 1.66                                     | ELXS421VSN391MR40S | 150                   | 30 × 35  | 0.20               | 1.04               | ELXS551VSN151MR35S                       |                    |
|                       | 390      | 30 × 45            | 0.20  | 1.70                                     | ELXS421VSN391MR45S | 180                   | 30 × 40  | 0.20               | 1.17               | ELXS551VSN181MR40S                       |                    |
|                       | 390      | 35 × 35            | 0.20  | 1.71                                     | ELXS421VSN391MA35S | 180                   | 35 × 30  | 0.20               | 1.10               | ELXS551VSN181MA30S                       |                    |
|                       | 470      | 30 × 50            | 0.20  | 1.90                                     | ELXS421VSN471MR50S | 220                   | 30 × 50  | 0.20               | 1.35               | ELXS551VSN221MR50S                       |                    |
| 470                   | 35 × 40  | 0.20               | 1.95  | ELXS421VSN471MA40S                       | 220                | 35 × 40               | 0.20     | 1.28               | ELXS551VSN221MA40S |  |                    |
| 560                   | 35 × 45  | 0.20               | 2.17  | ELXS421VSN561MA45S                       | 270                | 35 × 45               | 0.20     | 1.45               | ELXS551VSN271MA45S |  |                    |
| 680                   | 35 × 50  | 0.20               | 2.45  | ELXS421VSN681MA50S                       | 330                | 35 × 50               | 0.20     | 1.64               | ELXS551VSN331MA50S |  |                    |
| 450                   | 82       | 22 × 25            | 0.20  | 0.64                                     | ELXS451VSN820MP25S | 390                   | 35 × 60  | 0.20               | 1.85               | ELXS551VSN391MA60S                       |                    |
|                       | 120      | 22 × 30            | 0.20  | 0.81                                     | ELXS451VSN121MP30S | 120                   | 30 × 40  | 0.20               | 0.96               | ELXS601VSN121MR40S                       |                    |
|                       | 120      | 22 × 35            | 0.20  | 0.83                                     | ELXS451VSN121MP35S | 120                   | 35 × 30  | 0.20               | 0.95               | ELXS601VSN121MA30S                       |                    |
|                       | 120      | 25.4 × 25          | 0.20  | 0.81                                     | ELXS451VSN121MQ25S | 150                   | 30 × 45  | 0.20               | 1.10               | ELXS601VSN151MR45S                       |                    |
|                       | 150      | 22 × 40            | 0.20  | 0.94                                     | ELXS451VSN151MP40S | 150                   | 35 × 35  | 0.20               | 1.07               | ELXS601VSN151MA35S                       |                    |
|                       | 150      | 25.4 × 30          | 0.20  | 0.93                                     | ELXS451VSN151MQ30S | 180                   | 30 × 50  | 0.20               | 1.22               | ELXS601VSN181MR50S                       |                    |
|                       | 180      | 22 × 45            | 0.20  | 1.06                                     | ELXS451VSN181MP45S | 180                   | 35 × 40  | 0.20               | 1.22               | ELXS601VSN181MA40S                       |                    |
|                       | 180      | 25.4 × 35          | 0.20  | 1.06                                     | ELXS451VSN181MQ35S | 220                   | 30 × 60  | 0.20               | 1.40               | ELXS601VSN221MR60S                       |                    |
|                       | 180      | 30 × 25            | 0.20  | 1.06                                     | ELXS451VSN181MR25S | 220                   | 35 × 45  | 0.20               | 1.38               | ELXS601VSN221MA45S                       |                    |
|                       | 220      | 22 × 50            | 0.20  | 1.20                                     | ELXS451VSN221MP50S | 270                   | 35 × 50  | 0.20               | 1.56               | ELXS601VSN271MA50S                       |                    |
|                       | 220      | 25.4 × 40          | 0.20  | 1.20                                     | ELXS451VSN221MQ40S | 330                   | 35 × 60  | 0.20               | 1.79               | ELXS601VSN331MA60S                       |                    |

◆RATED RIPPLE CURRENT MULTIPLIERS

●Frequency Multipliers

| Frequency(Hz)             | 50   | 120  | 300  | 1k   | 10k  | 50k  |
|---------------------------|------|------|------|------|------|------|
| 160 to 250V <sub>dc</sub> | 0.81 | 1.00 | 1.17 | 1.32 | 1.45 | 1.50 |
| 315 to 450V <sub>dc</sub> | 0.77 | 1.00 | 1.16 | 1.30 | 1.41 | 1.43 |
| 500 to 600V <sub>dc</sub> | 0.70 | 1.00 | 1.16 | 1.30 | 1.41 | 1.43 |

The endurance of capacitors is reduced with internal heating produced by ripple current at the rate of halving the lifetime with every 5°C rise. When long life performance is required in actual use, the rms ripple current has to be reduced.