

# LXS Series

- For solar power generation
- Endurance with ripple current : 5,000 hours at 105°C
- Rated voltage range : 160 to 500V
- Downsized from LXQ series
- Non solvent resistant type
- RoHS Compliant

LXM P264  
Longer life  
**LXS**  
Downsized  
Higher ripple  
LXQ P270

**500V  
Lineup!**

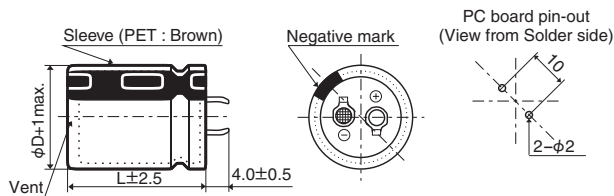


## SPECIFICATIONS

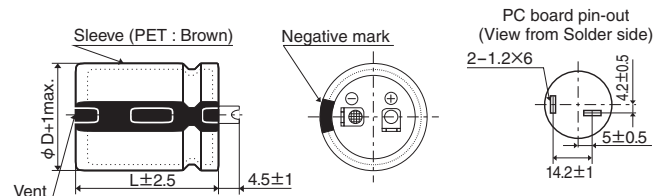
| Items                                                        | Characteristics                                                                                                                                                                                                                                                                       |                                                                     |             |                 |
|--------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|-------------|-----------------|
| Category                                                     | -25 to +105℃                                                                                                                                                                                                                                                                          |                                                                     |             |                 |
| Temperature Range                                            |                                                                                                                                                                                                                                                                                       |                                                                     |             |                 |
| Rated Voltage Range                                          | 160 to 500V <sub>dc</sub>                                                                                                                                                                                                                                                             |                                                                     |             |                 |
| Capacitance Tolerance                                        | ± 20% (M)                                                                                                                                                                                                                                                                             |                                                                     |             | (at 20℃, 120Hz) |
| Leakage Current                                              | I ≤ 3√CV<br>Where, I : Max. leakage current (μA), C : Nominal capacitance (μF), V : Rated voltage (V)<br>(at 20℃ after 5 minutes)                                                                                                                                                     |                                                                     |             |                 |
| Dissipation Factor<br>(tan δ)                                | Rated voltage (V <sub>ac</sub> )                                                                                                                                                                                                                                                      | 160 to 400V                                                         | 420 to 500V | (at 20℃, 120Hz) |
|                                                              | tan δ (Max.)                                                                                                                                                                                                                                                                          | 0.15                                                                | 0.20        |                 |
| Low Temperature<br>Characteristics<br>(Max. Impedance Ratio) | Rated voltage (V <sub>ac</sub> )                                                                                                                                                                                                                                                      | 160 to 400V                                                         | 420 to 500V | (at 120Hz)      |
|                                                              | Z(-25℃)/Z(+20℃)                                                                                                                                                                                                                                                                       | 4                                                                   | 8           |                 |
| Endurance                                                    | The following specifications shall be satisfied when the capacitors are restored to 20℃ 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℃.                                         |                                                                     |             |                 |
|                                                              | Capacitance change                                                                                                                                                                                                                                                                    | ≤ ±20% of the initial value                                         |             |                 |
|                                                              | D.F. (tan δ)                                                                                                                                                                                                                                                                          | ≤ 200% of the initial specified value (500V <sub>dc</sub> : ≤ 250%) |             |                 |
|                                                              | Leakage current                                                                                                                                                                                                                                                                       | ≤ The initial specified value                                       |             |                 |
| Shelf Life                                                   | The following specifications shall be satisfied when the capacitors are restored to 20℃ after exposing them for 1,000 hours at 105℃ 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

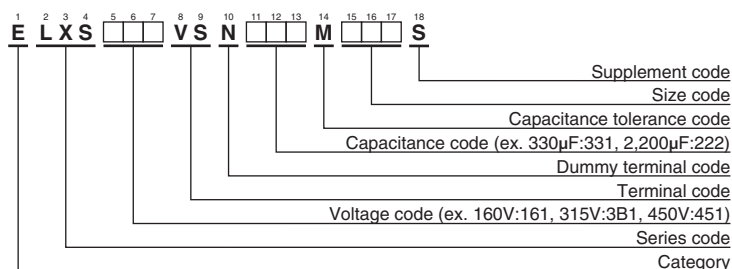


●Terminal Code : LI (φ30, φ35)



The standard design has no plastic disc.

## PART NUMBERING SYSTEM



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

## ◆STANDARD RATINGS

| WV<br>(V <sub>dc</sub> ) | Cap<br>(μF) | Case size<br>φD×L(mm) | tan δ | Rated ripple<br>current<br>(Arms/<br>105°C, 120Hz) | Part No.           | WV<br>(V <sub>dc</sub> ) | Cap<br>(μF) | Case size<br>φD×L(mm) | tan δ | Rated ripple<br>current<br>(Arms/<br>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                                               | ELXS251VSN271MP25S |
|                          | 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 | 315                      | 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 |                          | 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 | 400                      | 560         | 30 × 35               | 0.15  | 1.93                                               | ELXS3B1VSN561MR35S |
| 200                      | 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 |
|                          | 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 |                          | 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                                               | ELXS401VSN221MR25S |
|                          | 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<br>(V <sub>dc</sub> ) | Cap<br>(μF) | Case size<br>φD×L(mm) | tan δ | Rated ripple<br>current<br>(Arms/<br>105°C, 120Hz) | Part No.           |
|--------------------------|-------------|-----------------------|-------|----------------------------------------------------|--------------------|
| 400                      | 390         | 25.4 × 50             | 0.15  | 1.66                                               | ELXS401VSN391MQ50S |
|                          | 390         | 30 × 35               | 0.15  | 1.61                                               | ELXS401VSN391MR35S |
|                          | 390         | 35 × 30               | 0.15  | 1.68                                               | ELXS401VSN391MA30S |
|                          | 470         | 30 × 40               | 0.15  | 1.82                                               | ELXS401VSN471MR40S |
|                          | 470         | 35 × 35               | 0.15  | 1.88                                               | ELXS401VSN471MA35S |
|                          | 560         | 30 × 45               | 0.15  | 2.04                                               | ELXS401VSN561MR45S |
|                          | 560         | 30 × 50               | 0.15  | 2.07                                               | ELXS401VSN561MR50S |
|                          | 560         | 35 × 40               | 0.15  | 2.13                                               | ELXS401VSN561MA40S |
|                          | 680         | 35 × 45               | 0.15  | 2.40                                               | ELXS401VSN681MA45S |
|                          | 820         | 35 × 50               | 0.15  | 2.69                                               | ELXS401VSN821MA50S |
| 420                      | 100         | 22 × 25               | 0.20  | 0.70                                               | ELXS421VSN101MP25S |
|                          | 120         | 22 × 30               | 0.20  | 0.81                                               | ELXS421VSN121MP30S |
|                          | 120         | 25.4 × 25             | 0.20  | 0.81                                               | ELXS421VSN121MQ25S |
|                          | 150         | 22 × 35               | 0.20  | 0.93                                               | ELXS421VSN151MP35S |
|                          | 180         | 22 × 40               | 0.20  | 1.04                                               | ELXS421VSN181MP40S |
|                          | 180         | 25.4 × 30             | 0.20  | 1.02                                               | ELXS421VSN181MQ30S |
|                          | 180         | 30 × 25               | 0.20  | 1.06                                               | ELXS421VSN181MR25S |
|                          | 220         | 22 × 45               | 0.20  | 1.17                                               | ELXS421VSN221MP45S |
|                          | 220         | 22 × 50               | 0.20  | 1.20                                               | ELXS421VSN221MP50S |
|                          | 220         | 25.4 × 35             | 0.20  | 1.18                                               | ELXS421VSN221MQ35S |
|                          | 270         | 25.4 × 40             | 0.20  | 1.33                                               | ELXS421VSN271MQ40S |
|                          | 270         | 25.4 × 45             | 0.20  | 1.36                                               | ELXS421VSN271MQ45S |
|                          | 270         | 30 × 30               | 0.20  | 1.31                                               | ELXS421VSN271MR30S |
|                          | 270         | 35 × 25               | 0.20  | 1.38                                               | ELXS421VSN271MA25S |
|                          | 330         | 25.4 × 50             | 0.20  | 1.52                                               | ELXS421VSN331MQ50S |
|                          | 330         | 30 × 35               | 0.20  | 1.48                                               | ELXS421VSN331MR35S |
|                          | 330         | 35 × 30               | 0.20  | 1.55                                               | ELXS421VSN331MA30S |
|                          | 390         | 30 × 40               | 0.20  | 1.66                                               | ELXS421VSN391MR40S |
|                          | 390         | 30 × 45               | 0.20  | 1.70                                               | ELXS421VSN391MR45S |
|                          | 390         | 35 × 35               | 0.20  | 1.71                                               | ELXS421VSN391MA35S |
|                          | 470         | 30 × 50               | 0.20  | 1.90                                               | ELXS421VSN471MR50S |
|                          | 470         | 35 × 40               | 0.20  | 1.95                                               | ELXS421VSN471MA40S |
|                          | 560         | 35 × 45               | 0.20  | 2.17                                               | ELXS421VSN561MA45S |
|                          | 680         | 35 × 50               | 0.20  | 2.45                                               | ELXS421VSN681MA50S |
| 450                      | 82          | 22 × 25               | 0.20  | 0.64                                               | ELXS451VSN820MP25S |
|                          | 120         | 22 × 30               | 0.20  | 0.81                                               | ELXS451VSN121MP30S |
|                          | 120         | 22 × 35               | 0.20  | 0.83                                               | ELXS451VSN121MP35S |
|                          | 120         | 25.4 × 25             | 0.20  | 0.81                                               | ELXS451VSN121MQ25S |
|                          | 150         | 22 × 40               | 0.20  | 0.94                                               | ELXS451VSN151MP40S |
|                          | 150         | 25.4 × 30             | 0.20  | 0.93                                               | ELXS451VSN151MQ30S |
|                          | 180         | 22 × 45               | 0.20  | 1.06                                               | ELXS451VSN181MP45S |
|                          | 180         | 25.4 × 35             | 0.20  | 1.06                                               | ELXS451VSN181MQ35S |
|                          | 180         | 30 × 25               | 0.20  | 1.06                                               | ELXS451VSN181MR25S |
|                          | 220         | 22 × 50               | 0.20  | 1.20                                               | ELXS451VSN221MP50S |
| 500                      | 220         | 25.4 × 40             | 0.20  | 1.20                                               | ELXS451VSN221MQ40S |
|                          | 220         | 30 × 30               | 0.20  | 1.18                                               | ELXS451VSN221MR30S |
|                          | 220         | 35 × 25               | 0.20  | 1.24                                               | ELXS451VSN221MA25S |
|                          | 270         | 25.4 × 45             | 0.20  | 1.36                                               | ELXS451VSN271MQ45S |
|                          | 270         | 25.4 × 50             | 0.20  | 1.38                                               | ELXS451VSN271MQ50S |
|                          | 270         | 30 × 35               | 0.20  | 1.34                                               | ELXS451VSN271MR35S |
|                          | 270         | 35 × 30               | 0.20  | 1.40                                               | ELXS451VSN271MA30S |
|                          | 330         | 30 × 40               | 0.20  | 1.52                                               | ELXS451VSN331MR40S |
|                          | 390         | 30 × 45               | 0.20  | 1.70                                               | ELXS451VSN391MR45S |
|                          | 390         | 30 × 50               | 0.20  | 1.73                                               | ELXS451VSN391MR50S |
| 500                      | 390         | 35 × 35               | 0.20  | 1.71                                               | ELXS451VSN391MA35S |
|                          | 470         | 35 × 40               | 0.20  | 1.95                                               | ELXS451VSN471MA40S |
|                          | 470         | 35 × 45               | 0.20  | 1.99                                               | ELXS451VSN471MA45S |
|                          | 560         | 35 × 50               | 0.20  | 2.22                                               | ELXS451VSN561MA50S |
|                          | 100         | 30 × 25               | 0.20  | 0.82                                               | ELXS501VSN101MR25S |
|                          | 120         | 30 × 30               | 0.20  | 0.91                                               | ELXS501VSN121MR30S |
|                          | 120         | 35 × 25               | 0.20  | 0.88                                               | ELXS501VSN121MA25S |
|                          | 150         | 30 × 35               | 0.20  | 1.04                                               | ELXS501VSN151MR35S |
|                          | 180         | 30 × 40               | 0.20  | 1.17                                               | ELXS501VSN181MR40S |
|                          | 180         | 35 × 30               | 0.20  | 1.10                                               | ELXS501VSN181MA30S |
| 500                      | 220         | 30 × 45               | 0.20  | 1.33                                               | ELXS501VSN221MR45S |
|                          | 220         | 35 × 35               | 0.20  | 1.23                                               | ELXS501VSN221MA35S |
|                          | 270         | 30 × 50               | 0.20  | 1.50                                               | ELXS501VSN271MR50S |
|                          | 270         | 35 × 40               | 0.20  | 1.42                                               | ELXS501VSN271MA40S |
|                          | 330         | 35 × 45               | 0.20  | 1.60                                               | ELXS501VSN331MA45S |
|                          | 390         | 35 × 50               | 0.20  | 1.78                                               | ELXS501VSN391MA50S |
|                          | 470         | 35 × 60               | 0.20  | 2.03                                               | ELXS501VSN471MA60S |

◆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 |
| 500V <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.



**Стандарт  
Электрон  
Связь**

Мы молодая и активно развивающаяся компания в области поставок электронных компонентов. Мы поставляем электронные компоненты отечественного и импортного производства напрямую от производителей и с крупнейших складов мира.

Благодаря сотрудничеству с мировыми поставщиками мы осуществляем комплексные и плановые поставки широчайшего спектра электронных компонентов.

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С нами вы становитесь еще успешнее!

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