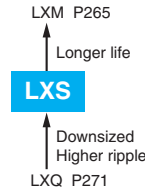


LXS Series

- 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



**500V
Lineup!**

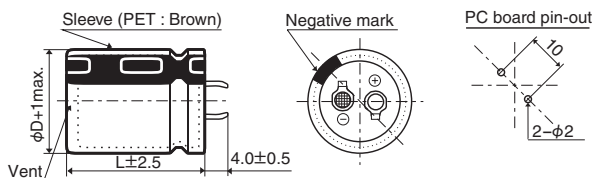


◆ SPECIFICATIONS

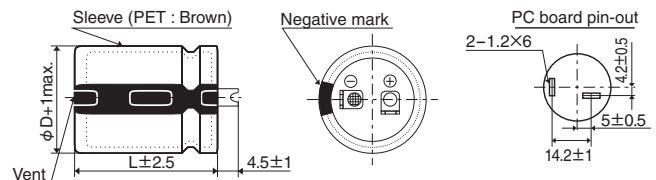
| Items | Characteristics | | |
|---|---|---|-------------|
| Category Temperature Range | -25 to +105°C | | |
| Rated Voltage Range | 160 to 500V _{dc} | | |
| Capacitance Tolerance | ±20% (M) (at 20°C, 120Hz) | | |
| Leakage Current | I ≤ 3/CV Where, I : Max. leakage current (µA), C : Nominal capacitance (µF), V : Rated voltage (V) (at 20°C after 5 minutes) | | |
| Dissipation Factor (tan δ) | Rated voltage (V _{dc}) | 160 to 400V | 420 to 500V |
| | tan δ (Max.) | 0.15 | 0.20 |
| Low Temperature Characteristics (Max. Impedance Ratio) | Rated voltage (V _{dc}) | 160 to 400V | 420 to 500V |
| | Z(-25°C)/Z(+20°C) | 4 | 8 |
| Endurance | 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 _{dc} : ≤ 250%) | |
| | Leakage current | ≤ The initial specified value | |
| Shelf Life | 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

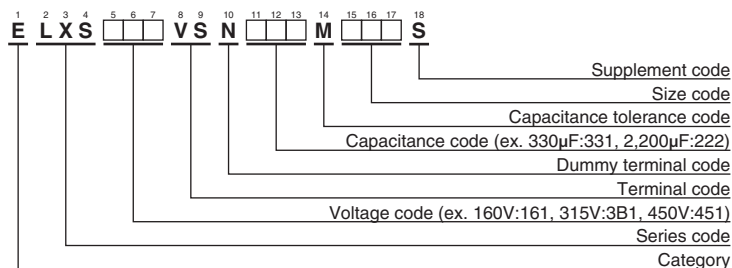


● Terminal Code : LI (φ30, φ35)



The standard design has no plastic disc.

◆ PART NUMBERING SYSTEM



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

◆STANDARD RATINGS

| WV (V _{dc}) | Cap (μF) | Case size φD×L(mm) | tan δ | Rated ripple current (Arms/105°C, 120Hz) | Part No. | WV (V _{dc}) | 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 _{dc}) | 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 |
| | 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 |

| WV (V _{dc}) | Cap (μF) | Case size φD×L(mm) | tan δ | Rated ripple current (Arms/105°C, 120Hz) | Part No. |
|-----------------------|----------|--------------------|-------|--|--------------------|
| 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 |
| | 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 |
| | 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 |
| 500 | 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 |
| | 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 _{dc} | 0.81 | 1.00 | 1.17 | 1.32 | 1.45 | 1.50 |
| 315 to 450V _{dc} | 0.77 | 1.00 | 1.16 | 1.30 | 1.41 | 1.43 |
| 500V _{dc} | 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.