

LXM Series

- Endurance with ripple current : 7,000 hours at 105°C
- Non solvent resistant type
- RoHS2 Compliant

LXM

Longer life

LXQ



SPECIFICATIONS

| Items | Characteristics | | |
|--|---|---------------------------------------|------------|
| Category | -25 to +105°C | | |
| Temperature Range | -25 to +105°C | | |
| Rated Voltage Range | 160 to 450V _{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 & 450V |
| | tan δ (Max.) | 0.15 | 0.20 |
| Low Temperature Characteristics (Max. Impedance Ratio) | Rated voltage (V _{dc}) | 160 to 400V | 420 & 450V |
| | 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 7,000 hours at 105°C. | | |
| | Capacitance change | ≤ ±20% of the initial value | |
| | D.F. (tan δ) | ≤ 250% of the initial specified value | |
| | 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 (φ35)



* φD=35mm : 3.5±0.5mm

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 | 330 | 22 × 25 | 0.15 | 1.11 | ELXM161VSN331MP25S | 220 | 220 | 22 × 25 | 0.15 | 0.90 | ELXM221VSN221MP25S |
| | 390 | 22 × 30 | 0.15 | 1.26 | ELXM161VSN391MP30S | | 270 | 22 × 30 | 0.15 | 1.05 | ELXM221VSN271MP30S |
| | 470 | 22 × 30 | 0.15 | 1.39 | ELXM161VSN471MP30S | | 330 | 22 × 35 | 0.15 | 1.19 | ELXM221VSN331MP35S |
| | 470 | 25.4 × 25 | 0.15 | 1.38 | ELXM161VSN471MQ25S | | 330 | 25.4 × 25 | 0.15 | 1.16 | ELXM221VSN331MQ25S |
| | 560 | 22 × 35 | 0.15 | 1.55 | ELXM161VSN561MP35S | | 390 | 22 × 40 | 0.15 | 1.33 | ELXM221VSN391MP40S |
| | 560 | 25.4 × 30 | 0.15 | 1.55 | ELXM161VSN561MQ30S | | 390 | 25.4 × 30 | 0.15 | 1.29 | ELXM221VSN391MQ30S |
| | 680 | 22 × 40 | 0.15 | 1.75 | ELXM161VSN681MP40S | | 470 | 22 × 45 | 0.15 | 1.49 | ELXM221VSN471MP45S |
| | 680 | 25.4 × 35 | 0.15 | 1.78 | ELXM161VSN681MQ35S | | 470 | 25.4 × 35 | 0.15 | 1.48 | ELXM221VSN471MQ35S |
| | 680 | 30 × 25 | 0.15 | 1.74 | ELXM161VSN681MR25S | | 470 | 30 × 25 | 0.15 | 1.45 | ELXM221VSN471MR25S |
| | 820 | 22 × 50 | 0.15 | 1.97 | ELXM161VSN821MP50S | | 560 | 22 × 50 | 0.15 | 1.63 | ELXM221VSN561MP50S |
| | 820 | 25.4 × 40 | 0.15 | 2.01 | ELXM161VSN821MQ40S | | 560 | 25.4 × 40 | 0.15 | 1.71 | ELXM221VSN561MQ40S |
| | 820 | 30 × 30 | 0.15 | 1.96 | ELXM161VSN821MR30S | | 560 | 30 × 30 | 0.15 | 1.62 | ELXM221VSN561MR30S |
| | 1,000 | 25.4 × 45 | 0.15 | 2.27 | ELXM161VSN102MQ45S | | 680 | 25.4 × 45 | 0.15 | 1.87 | ELXM221VSN681MQ45S |
| | 1,000 | 30 × 35 | 0.15 | 2.26 | ELXM161VSN102MR35S | | 680 | 30 × 35 | 0.15 | 1.86 | ELXM221VSN681MR35S |
| | 1,200 | 25.4 × 50 | 0.15 | 2.54 | ELXM161VSN122MQ50S | | 820 | 25.4 × 50 | 0.15 | 2.10 | ELXM221VSN821MQ50S |
| | 1,200 | 30 × 40 | 0.15 | 2.56 | ELXM161VSN122MR40S | | 820 | 30 × 40 | 0.15 | 2.12 | ELXM221VSN821MR40S |
| | 1,200 | 35 × 30 | 0.15 | 2.52 | ELXM161VSN122MA30S | | 820 | 35 × 30 | 0.15 | 2.08 | ELXM221VSN821MA30S |
| | 1,500 | 30 × 45 | 0.15 | 2.96 | ELXM161VSN152MR45S | | 1,000 | 30 × 50 | 0.15 | 2.48 | ELXM221VSN102MR50S |
| | 1,500 | 35 × 35 | 0.15 | 2.89 | ELXM161VSN152MA35S | | 1,000 | 35 × 40 | 0.15 | 2.46 | ELXM221VSN102MA40S |
| | 1,800 | 30 × 50 | 0.15 | 3.32 | ELXM161VSN182MR50S | | 1,200 | 35 × 45 | 0.15 | 2.78 | ELXM221VSN122MA45S |
| | 1,800 | 35 × 40 | 0.15 | 3.30 | ELXM161VSN182MA40S | | 1,500 | 35 × 50 | 0.15 | 3.20 | ELXM221VSN152MA50S |
| 2,200 | 35 × 50 | 0.15 | 3.87 | ELXM161VSN222MA50S | 180 | 22 × 25 | 0.15 | 0.82 | ELXM251VSN181MP25S | | |
| 180 | 270 | 22 × 25 | 0.15 | 1.00 | ELXM181VSN271MP25S | 220 | 22 × 30 | 0.15 | 0.95 | ELXM251VSN221MP30S | |
| | 330 | 22 × 30 | 0.15 | 1.16 | ELXM181VSN331MP30S | 270 | 22 × 35 | 0.15 | 1.08 | ELXM251VSN271MP35S | |
| | 390 | 22 × 30 | 0.15 | 1.26 | ELXM181VSN391MP30S | 270 | 25.4 × 25 | 0.15 | 1.05 | ELXM251VSN271MQ25S | |
| | 390 | 25.4 × 25 | 0.15 | 1.26 | ELXM181VSN391MQ25S | 330 | 22 × 40 | 0.15 | 1.22 | ELXM251VSN331MP40S | |
| | 470 | 22 × 35 | 0.15 | 1.42 | ELXM181VSN471MP35S | 330 | 25.4 × 30 | 0.15 | 1.19 | ELXM251VSN331MQ30S | |
| | 470 | 25.4 × 30 | 0.15 | 1.42 | ELXM181VSN471MQ30S | 390 | 22 × 45 | 0.15 | 1.36 | ELXM251VSN391MP45S | |
| | 560 | 22 × 40 | 0.15 | 1.59 | ELXM181VSN561MP40S | 390 | 25.4 × 35 | 0.15 | 1.35 | ELXM251VSN391MQ35S | |
| | 560 | 25.4 × 30 | 0.15 | 1.55 | ELXM181VSN561MQ30S | 390 | 30 × 25 | 0.15 | 1.32 | ELXM251VSN391MR25S | |
| | 560 | 30 × 25 | 0.15 | 1.58 | ELXM181VSN561MR25S | 470 | 22 × 50 | 0.15 | 1.49 | ELXM251VSN471MP50S | |
| | 680 | 22 × 45 | 0.15 | 1.79 | ELXM181VSN681MP45S | 470 | 25.4 × 40 | 0.15 | 1.52 | ELXM251VSN471MQ40S | |
| | 680 | 25.4 × 35 | 0.15 | 1.78 | ELXM181VSN681MQ35S | 470 | 30 × 30 | 0.15 | 1.49 | ELXM251VSN471MR30S | |
| | 680 | 30 × 30 | 0.15 | 1.79 | ELXM181VSN681MR30S | 560 | 25.4 × 45 | 0.15 | 1.70 | ELXM251VSN561MQ45S | |
| | 820 | 25.4 × 40 | 0.15 | 2.01 | ELXM181VSN821MQ40S | 560 | 30 × 35 | 0.15 | 1.69 | ELXM251VSN561MR35S | |
| | 820 | 30 × 35 | 0.15 | 2.04 | ELXM181VSN821MR35S | 680 | 25.4 × 50 | 0.15 | 1.91 | ELXM251VSN681MQ50S | |
| | 1,000 | 25.4 × 50 | 0.15 | 2.32 | ELXM181VSN102MQ50S | 680 | 30 × 40 | 0.15 | 1.93 | ELXM251VSN681MR40S | |
| | 1,000 | 30 × 35 | 0.15 | 2.26 | ELXM181VSN102MR35S | 680 | 35 × 30 | 0.15 | 1.90 | ELXM251VSN681MA30S | |
| | 1,000 | 35 × 30 | 0.15 | 2.30 | ELXM181VSN102MA30S | 820 | 30 × 45 | 0.15 | 2.19 | ELXM251VSN821MP45S | |
| | 1,200 | 30 × 45 | 0.15 | 2.65 | ELXM181VSN122MR45S | 820 | 35 × 35 | 0.15 | 2.13 | ELXM251VSN821MA35S | |
| | 1,200 | 35 × 35 | 0.15 | 2.58 | ELXM181VSN122MA35S | 1,000 | 35 × 40 | 0.15 | 2.46 | ELXM251VSN102MA40S | |
| | 1,500 | 30 × 50 | 0.15 | 3.03 | ELXM181VSN152MR50S | 1,200 | 35 × 50 | 0.15 | 2.86 | ELXM251VSN122MA50S | |
| | 1,500 | 35 × 40 | 0.15 | 3.01 | ELXM181VSN152MA40S | 100 | 22 × 25 | 0.15 | 0.67 | ELXM3B1VSN101MP25S | |
| 1,800 | 35 × 45 | 0.15 | 3.41 | ELXM181VSN182MA45S | 120 | 22 × 30 | 0.15 | 0.77 | ELXM3B1VSN121MP30S | | |
| 2,200 | 35 × 50 | 0.15 | 3.87 | ELXM181VSN222MA50S | 150 | 22 × 30 | 0.15 | 0.86 | ELXM3B1VSN151MP30S | | |
| 200 | 220 | 22 × 25 | 0.15 | 0.90 | ELXM201VSN221MP25S | 150 | 25.4 × 25 | 0.15 | 0.85 | ELXM3B1VSN151MQ25S | |
| | 270 | 22 × 30 | 0.15 | 1.05 | ELXM201VSN271MP30S | 180 | 22 × 35 | 0.15 | 0.96 | ELXM3B1VSN181MP35S | |
| | 330 | 22 × 30 | 0.15 | 1.16 | ELXM201VSN331MP30S | 180 | 25.4 × 30 | 0.15 | 0.96 | ELXM3B1VSN181MQ30S | |
| | 330 | 25.4 × 25 | 0.15 | 1.16 | ELXM201VSN331MQ25S | 220 | 22 × 40 | 0.15 | 1.09 | ELXM3B1VSN221MP40S | |
| | 390 | 22 × 35 | 0.15 | 1.29 | ELXM201VSN391MP35S | 220 | 25.4 × 30 | 0.15 | 1.06 | ELXM3B1VSN221MQ30S | |
| | 390 | 25.4 × 30 | 0.15 | 1.29 | ELXM201VSN391MQ30S | 220 | 30 × 25 | 0.15 | 1.08 | ELXM3B1VSN221MR25S | |
| | 470 | 22 × 40 | 0.15 | 1.46 | ELXM201VSN471MP40S | 270 | 22 × 45 | 0.15 | 1.24 | ELXM3B1VSN271MP45S | |
| | 470 | 25.4 × 30 | 0.15 | 1.42 | ELXM201VSN471MQ30S | 270 | 25.4 × 35 | 0.15 | 1.23 | ELXM3B1VSN271MQ35S | |
| | 470 | 30 × 25 | 0.15 | 1.45 | ELXM201VSN471MR25S | 270 | 30 × 30 | 0.15 | 1.23 | ELXM3B1VSN271MR30S | |
| | 560 | 22 × 45 | 0.15 | 1.63 | ELXM201VSN561MP45S | 330 | 25.4 × 40 | 0.15 | 1.40 | ELXM3B1VSN331MQ40S | |
| | 560 | 25.4 × 35 | 0.15 | 1.62 | ELXM201VSN561MQ35S | 330 | 30 × 35 | 0.15 | 1.42 | ELXM3B1VSN331MR35S | |
| | 560 | 30 × 30 | 0.15 | 1.62 | ELXM201VSN561MR30S | 330 | 35 × 30 | 0.15 | 1.45 | ELXM3B1VSN331MA30S | |
| | 680 | 25.4 × 40 | 0.15 | 1.83 | ELXM201VSN681MQ40S | 390 | 25.4 × 50 | 0.15 | 1.59 | ELXM3B1VSN391MQ50S | |
| | 680 | 30 × 30 | 0.15 | 1.79 | ELXM201VSN681MR30S | 390 | 30 × 35 | 0.15 | 1.54 | ELXM3B1VSN391MR35S | |
| | 820 | 25.4 × 45 | 0.15 | 2.06 | ELXM201VSN821MQ45S | 390 | 35 × 30 | 0.15 | 1.57 | ELXM3B1VSN391MA30S | |
| | 820 | 30 × 35 | 0.15 | 2.04 | ELXM201VSN821MR35S | 470 | 30 × 45 | 0.15 | 1.81 | ELXM3B1VSN471MR45S | |
| | 1,000 | 30 × 45 | 0.15 | 2.42 | ELXM201VSN102MR45S | 470 | 35 × 35 | 0.15 | 1.77 | ELXM3B1VSN471MA35S | |
| | 1,000 | 35 × 30 | 0.15 | 2.30 | ELXM201VSN102MA30S | 560 | 30 × 50 | 0.15 | 2.03 | ELXM3B1VSN561MR50S | |
| | 1,200 | 30 × 50 | 0.15 | 2.71 | ELXM201VSN122MR50S | 560 | 35 × 40 | 0.15 | 2.02 | ELXM3B1VSN561MA40S | |
| | 1,200 | 35 × 40 | 0.15 | 2.70 | ELXM201VSN122MA40S | 680 | 35 × 45 | 0.15 | 2.29 | ELXM3B1VSN681MA45S | |
| | 1,500 | 35 × 45 | 0.15 | 3.11 | ELXM201VSN152MA45S | 820 | 35 × 50 | 0.15 | 2.59 | ELXM3B1VSN821MA50S | |
| 1,800 | 35 × 50 | 0.15 | 3.50 | ELXM201VSN182MA50S | | | | | | | |

◆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. |
|-----------------------|----------|--------------------|-------|--|--------------------|-----------------------|----------|--------------------|--------------------|--|--------------------|
| 350 | 100 | 22 × 25 | 0.15 | 0.67 | ELXM351VSN101MP25S | 420 | 56 | 22 × 25 | 0.20 | 0.50 | ELXM421VSN560MP25S |
| | 120 | 22 × 30 | 0.15 | 0.77 | ELXM351VSN121MP30S | | 68 | 22 × 30 | 0.20 | 0.58 | ELXM421VSN680MP30S |
| | 120 | 25.4 × 25 | 0.15 | 0.76 | ELXM351VSN121MQ25S | | 82 | 22 × 30 | 0.20 | 0.63 | ELXM421VSN820MP30S |
| | 150 | 22 × 35 | 0.15 | 0.88 | ELXM351VSN151MP35S | | 82 | 25.4 × 25 | 0.20 | 0.63 | ELXM421VSN820MQ25S |
| | 150 | 25.4 × 30 | 0.15 | 0.88 | ELXM351VSN151MQ30S | | 100 | 22 × 35 | 0.20 | 0.72 | ELXM421VSN101MP35S |
| | 180 | 22 × 40 | 0.15 | 0.99 | ELXM351VSN181MP40S | | 100 | 25.4 × 30 | 0.20 | 0.72 | ELXM421VSN101MQ30S |
| | 180 | 25.4 × 30 | 0.15 | 0.96 | ELXM351VSN181MQ30S | | 120 | 22 × 40 | 0.20 | 0.81 | ELXM421VSN121MP40S |
| | 180 | 30 × 25 | 0.15 | 0.98 | ELXM351VSN181MR25S | | 120 | 25.4 × 30 | 0.20 | 0.79 | ELXM421VSN121MQ30S |
| | 220 | 22 × 45 | 0.15 | 1.12 | ELXM351VSN221MP45S | | 120 | 30 × 25 | 0.20 | 0.80 | ELXM421VSN121MR25S |
| | 220 | 25.4 × 35 | 0.15 | 1.11 | ELXM351VSN221MQ35S | | 150 | 22 × 45 | 0.20 | 0.92 | ELXM421VSN151MP45S |
| | 220 | 30 × 30 | 0.15 | 1.11 | ELXM351VSN221MR30S | | 150 | 25.4 × 35 | 0.20 | 0.92 | ELXM421VSN151MQ35S |
| | 270 | 25.4 × 40 | 0.15 | 1.26 | ELXM351VSN271MQ40S | | 150 | 30 × 30 | 0.20 | 0.92 | ELXM421VSN151MR30S |
| | 270 | 30 × 35 | 0.15 | 1.28 | ELXM351VSN271MR35S | | 180 | 25.4 × 40 | 0.20 | 1.03 | ELXM421VSN181MQ40S |
| | 330 | 25.4 × 45 | 0.15 | 1.40 | ELXM351VSN331MQ45S | | 180 | 30 × 35 | 0.20 | 1.05 | ELXM421VSN181MR35S |
| | 330 | 30 × 35 | 0.15 | 1.42 | ELXM351VSN331MR35S | | 220 | 25.4 × 50 | 0.20 | 1.19 | ELXM421VSN221MP50S |
| | 330 | 35 × 30 | 0.15 | 1.45 | ELXM351VSN331MA30S | | 220 | 30 × 35 | 0.20 | 1.16 | ELXM421VSN221MR35S |
| | 390 | 30 × 40 | 0.15 | 1.60 | ELXM351VSN391MR40S | | 220 | 35 × 30 | 0.20 | 1.18 | ELXM421VSN221MA30S |
| | 390 | 35 × 35 | 0.15 | 1.61 | ELXM351VSN391MA35S | | 270 | 30 × 45 | 0.20 | 1.38 | ELXM421VSN271MR45S |
| | 470 | 30 × 50 | 0.15 | 1.86 | ELXM351VSN471MR50S | | 270 | 35 × 35 | 0.20 | 1.34 | ELXM421VSN271MA35S |
| | 470 | 35 × 40 | 0.15 | 1.85 | ELXM351VSN471MA40S | | 330 | 30 × 50 | 0.20 | 1.56 | ELXM421VSN331MR50S |
| 560 | 35 × 40 | 0.15 | 2.02 | ELXM351VSN561MA40S | 330 | 35 × 40 | 0.20 | 1.55 | ELXM421VSN331MA40S | | |
| 680 | 35 × 50 | 0.15 | 2.36 | ELXM351VSN681MA50S | 390 | 35 × 45 | 0.20 | 1.74 | ELXM421VSN391MA45S | | |
| 400 | 68 | 22 × 25 | 0.15 | 0.55 | ELXM401VSN680MP25S | 470 | 35 × 50 | 0.20 | 1.96 | ELXM421VSN471MA50S | |
| | 82 | 22 × 30 | 0.15 | 0.63 | ELXM401VSN820MP30S | 450 | 47 | 22 × 25 | 0.20 | 0.46 | ELXM451VSN470MP25S |
| | 100 | 22 × 30 | 0.15 | 0.70 | ELXM401VSN101MP30S | | 56 | 22 × 30 | 0.20 | 0.52 | ELXM451VSN560MP30S |
| | 100 | 25.4 × 25 | 0.15 | 0.70 | ELXM401VSN101MQ25S | | 68 | 22 × 30 | 0.20 | 0.58 | ELXM451VSN680MP30S |
| | 120 | 22 × 35 | 0.15 | 0.79 | ELXM401VSN121MP35S | | 68 | 25.4 × 25 | 0.20 | 0.58 | ELXM451VSN680MQ25S |
| | 120 | 25.4 × 30 | 0.15 | 0.79 | ELXM401VSN121MQ30S | | 82 | 22 × 35 | 0.20 | 0.65 | ELXM451VSN820MP35S |
| | 150 | 22 × 40 | 0.15 | 0.90 | ELXM401VSN151MP40S | | 82 | 25.4 × 30 | 0.20 | 0.65 | ELXM451VSN820MQ30S |
| | 150 | 25.4 × 30 | 0.15 | 0.88 | ELXM401VSN151MQ30S | | 100 | 22 × 40 | 0.20 | 0.74 | ELXM451VSN101MP40S |
| | 150 | 30 × 25 | 0.15 | 0.90 | ELXM401VSN151MR25S | | 100 | 25.4 × 30 | 0.20 | 0.72 | ELXM451VSN101MQ30S |
| | 180 | 22 × 45 | 0.15 | 0.99 | ELXM401VSN181MP45S | | 100 | 30 × 25 | 0.20 | 0.73 | ELXM451VSN101MR25S |
| | 180 | 25.4 × 35 | 0.15 | 1.01 | ELXM401VSN181MQ35S | | 120 | 22 × 45 | 0.20 | 0.83 | ELXM451VSN121MP45S |
| | 180 | 30 × 30 | 0.15 | 1.01 | ELXM401VSN181MR30S | | 120 | 25.4 × 35 | 0.20 | 0.82 | ELXM451VSN121MQ35S |
| | 220 | 25.4 × 40 | 0.15 | 1.14 | ELXM401VSN221MQ40S | | 120 | 30 × 30 | 0.20 | 0.82 | ELXM451VSN121MR30S |
| | 220 | 30 × 35 | 0.15 | 1.16 | ELXM401VSN221MR35S | | 150 | 25.4 × 40 | 0.20 | 0.94 | ELXM451VSN151MQ40S |
| | 270 | 25.4 × 50 | 0.15 | 1.32 | ELXM401VSN271MQ50S | | 150 | 30 × 35 | 0.20 | 0.96 | ELXM451VSN151MR35S |
| | 270 | 30 × 40 | 0.15 | 1.33 | ELXM401VSN271MR40S | | 180 | 25.4 × 45 | 0.20 | 1.06 | ELXM451VSN181MQ45S |
| | 270 | 35 × 30 | 0.15 | 1.31 | ELXM401VSN271MA30S | | 180 | 30 × 35 | 0.20 | 1.05 | ELXM451VSN181MR35S |
| | 330 | 30 × 45 | 0.15 | 1.52 | ELXM401VSN331MR45S | | 180 | 35 × 30 | 0.20 | 1.07 | ELXM451VSN181MA30S |
| | 330 | 35 × 35 | 0.15 | 1.48 | ELXM401VSN331MA35S | | 220 | 30 × 40 | 0.20 | 1.20 | ELXM451VSN221MR40S |
| | 390 | 30 × 50 | 0.15 | 1.69 | ELXM401VSN391MR50S | | 220 | 35 × 35 | 0.20 | 1.21 | ELXM451VSN221MA35S |
| 390 | 35 × 40 | 0.15 | 1.68 | ELXM401VSN391MA40S | 270 | | 30 × 50 | 0.20 | 1.41 | ELXM451VSN271MR50S | |
| 470 | 35 × 45 | 0.15 | 1.91 | ELXM401VSN471MA45S | 270 | 35 × 40 | 0.20 | 1.40 | ELXM451VSN271MA40S | | |
| 560 | 35 × 50 | 0.15 | 2.14 | ELXM401VSN561MA50S | 330 | 35 × 45 | 0.20 | 1.60 | ELXM451VSN331MA45S | | |
| | | | | | 390 | 35 × 50 | 0.20 | 1.79 | ELXM451VSN391MA50S | | |

◆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 |

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.