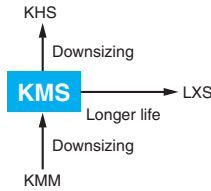


KMS Series

- For solar power generation
- Endurance with ripple current : 105°C 3,000 hours
- Rated voltage range : 160 to 600V
- Capacitance range : 47 to 3,300μF
- Non solvent resistant type
- RoHS2 Compliant



600V Lineup!

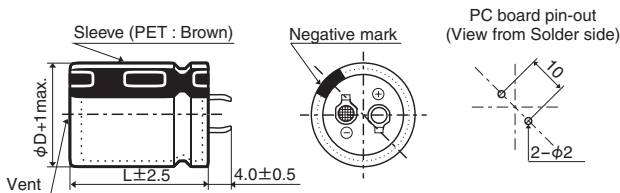


◆ SPECIFICATIONS

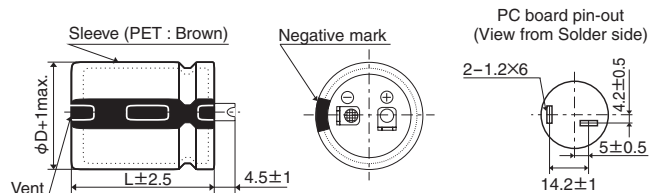
| Items | Characteristics | | |
|--|---|---|-------------|
| Category | -25 to +105°C | | |
| Temperature Range | | | |
| Rated Voltage Range | 160 to 600V _{dc} | | |
| Capacitance Tolerance | ±20% (M) (at 20°C, 120Hz) | | |
| Leakage Current | I ≤ 3√CV Where, I : Max. leakage current (μA), C : Nominal 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 600V |
| | tan δ (Max.) | 0.15 | 0.20 |
| Low Temperature Characteristics (Max. Impedance Ratio) | Rated voltage (V _{dc}) | 160 to 400V | 420 to 600V |
| | 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 3,000 hours at 105°C. | | |
| | Capacitance change | ≤ ±20% of the initial value | |
| | D.F. (tan δ) | ≤ 200% of the initial specified value (600V _{dc} : ≤ 300%) | |
| | 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

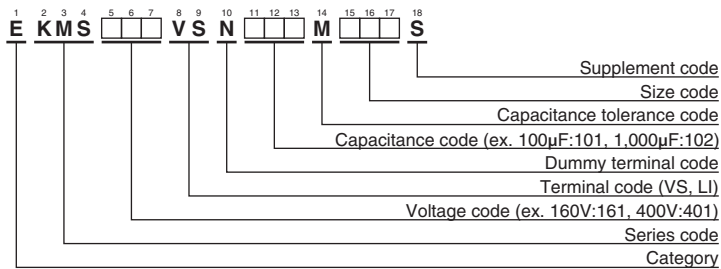


● Terminal Code : LI (φ35)



The standard design has no plastic disc.

◆ PART NUMBERING SYSTEM



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

Snap-in



LARGE CAPACITANCE ALUMINUM ELECTROLYTIC CAPACITORS

Downsized snap-ins, 105°C

KMS Series

◆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 | EKMS161VSN471MP25S | 200 | 1,800 | 30 × 45 | 0.15 | 3.66 | EKMS201VSN182MR45S |
| | 680 | 22 × 30 | 0.15 | 1.86 | EKMS161VSN681MP30S | | 1,800 | 30 × 50 | 0.15 | 3.72 | EKMS201VSN182MR50S |
| | 680 | 25.4 × 25 | 0.15 | 1.84 | EKMS161VSN681MQ25S | | 1,800 | 35 × 40 | 0.15 | 3.81 | EKMS201VSN182MA40S |
| | 820 | 22 × 35 | 0.15 | 2.09 | EKMS161VSN821MP35S | | 2,200 | 35 × 45 | 0.15 | 4.32 | EKMS201VSN222MA45S |
| | 820 | 25.4 × 30 | 0.15 | 2.08 | EKMS161VSN821MQ30S | | 2,700 | 35 × 50 | 0.15 | 4.88 | EKMS201VSN272MA50S |
| | 1,000 | 22 × 40 | 0.15 | 2.35 | EKMS161VSN102MP40S | | 270 | 22 × 25 | 0.15 | 1.11 | EKMS251VSN271MP25S |
| | 1,000 | 22 × 45 | 0.15 | 2.40 | EKMS161VSN102MP45S | | 330 | 22 × 30 | 0.15 | 1.29 | EKMS251VSN331MP30S |
| | 1,000 | 25.4 × 35 | 0.15 | 2.40 | EKMS161VSN102MQ35S | | 390 | 22 × 35 | 0.15 | 1.44 | EKMS251VSN391MP35S |
| | 1,000 | 30 × 25 | 0.15 | 2.50 | EKMS161VSN102MR25S | | 390 | 25.4 × 25 | 0.15 | 1.40 | EKMS251VSN391MQ25S |
| | 1,200 | 22 × 50 | 0.15 | 2.69 | EKMS161VSN122MP50S | | 470 | 22 × 40 | 0.15 | 1.61 | EKMS251VSN471MP40S |
| | 1,200 | 25.4 × 40 | 0.15 | 2.68 | EKMS161VSN122MQ40S | | 470 | 25.4 × 30 | 0.15 | 1.57 | EKMS251VSN471MQ30S |
| | 1,200 | 30 × 30 | 0.15 | 2.77 | EKMS161VSN122MR30S | | 560 | 22 × 45 | 0.15 | 1.79 | EKMS251VSN561MP45S |
| | 1,200 | 35 × 25 | 0.15 | 2.91 | EKMS161VSN122MA25S | | 560 | 25.4 × 35 | 0.15 | 1.79 | EKMS251VSN561MQ35S |
| | 1,500 | 25.4 × 45 | 0.15 | 3.05 | EKMS161VSN152MQ45S | | 560 | 30 × 25 | 0.15 | 1.87 | EKMS251VSN561MR25S |
| | 1,500 | 30 × 35 | 0.15 | 3.17 | EKMS161VSN152MR35S | | 680 | 22 × 50 | 0.15 | 2.02 | EKMS251VSN681MP50S |
| | 1,800 | 25.4 × 50 | 0.15 | 3.40 | EKMS161VSN182MQ50S | | 680 | 25.4 × 40 | 0.15 | 2.02 | EKMS251VSN681MQ40S |
| | 1,800 | 30 × 40 | 0.15 | 3.57 | EKMS161VSN182MR40S | | 680 | 30 × 30 | 0.15 | 2.08 | EKMS251VSN681MR30S |
| | 1,800 | 35 × 30 | 0.15 | 3.62 | EKMS161VSN182MA30S | | 680 | 35 × 25 | 0.15 | 2.19 | EKMS251VSN681MA25S |
| | 2,200 | 30 × 45 | 0.15 | 4.05 | EKMS161VSN222MR45S | | 820 | 25.4 × 45 | 0.15 | 2.26 | EKMS251VSN821MQ45S |
| | 2,200 | 35 × 35 | 0.15 | 4.07 | EKMS161VSN222MA35S | | 820 | 30 × 35 | 0.15 | 2.34 | EKMS251VSN821MR35S |
| 2,700 | 30 × 50 | 0.15 | 4.56 | EKMS161VSN272MR50S | 1,000 | 25.4 × 50 | 0.15 | 2.53 | EKMS251VSN102MQ50S | | |
| 2,700 | 35 × 40 | 0.15 | 4.67 | EKMS161VSN272MA40S | 1,000 | 30 × 40 | 0.15 | 2.66 | EKMS251VSN102MR40S | | |
| 2,700 | 35 × 45 | 0.15 | 4.78 | EKMS161VSN272MA45S | 1,000 | 35 × 30 | 0.15 | 2.70 | EKMS251VSN102MA30S | | |
| 3,300 | 35 × 50 | 0.15 | 5.40 | EKMS161VSN332MA50S | 1,200 | 30 × 45 | 0.15 | 2.99 | EKMS251VSN122MR45S | | |
| 180 | 390 | 22 × 25 | 0.15 | 1.34 | EKMS181VSN391MP25S | 1,200 | 30 × 50 | 0.15 | 3.04 | EKMS251VSN122MR50S | |
| | 560 | 22 × 30 | 0.15 | 1.68 | EKMS181VSN561MP30S | 1,200 | 35 × 35 | 0.15 | 3.00 | EKMS251VSN122MA35S | |
| | 560 | 25.4 × 25 | 0.15 | 1.67 | EKMS181VSN561MQ25S | 1,500 | 35 × 40 | 0.15 | 3.48 | EKMS251VSN152MA40S | |
| | 680 | 22 × 35 | 0.15 | 1.90 | EKMS181VSN681MP35S | 1,500 | 35 × 45 | 0.15 | 3.56 | EKMS251VSN152MA45S | |
| | 820 | 22 × 40 | 0.15 | 2.13 | EKMS181VSN821MP40S | 1,800 | 35 × 50 | 0.15 | 3.98 | EKMS251VSN182MA50S | |
| | 820 | 25.4 × 30 | 0.15 | 2.08 | EKMS181VSN821MQ30S | 180 | 22 × 25 | 0.15 | 0.95 | EKMS3B1VSN181MP25S | |
| | 820 | 30 × 25 | 0.15 | 2.26 | EKMS181VSN821MR25S | 220 | 22 × 30 | 0.15 | 1.10 | EKMS3B1VSN221MP30S | |
| | 1,000 | 22 × 45 | 0.15 | 2.40 | EKMS181VSN102MP45S | 220 | 25.4 × 25 | 0.15 | 1.10 | EKMS3B1VSN221MQ25S | |
| | 1,000 | 22 × 50 | 0.15 | 2.45 | EKMS181VSN102MP50S | 270 | 22 × 35 | 0.15 | 1.24 | EKMS3B1VSN271MP35S | |
| | 1,000 | 25.4 × 35 | 0.15 | 2.40 | EKMS181VSN102MQ35S | 330 | 22 × 40 | 0.15 | 1.40 | EKMS3B1VSN331MP40S | |
| | 1,000 | 25.4 × 40 | 0.15 | 2.45 | EKMS181VSN102MQ40S | 330 | 25.4 × 30 | 0.15 | 1.38 | EKMS3B1VSN331MQ30S | |
| | 1,000 | 30 × 30 | 0.15 | 2.52 | EKMS181VSN102MR30S | 330 | 30 × 25 | 0.15 | 1.43 | EKMS3B1VSN331MR25S | |
| | 1,200 | 25.4 × 45 | 0.15 | 2.73 | EKMS181VSN122MQ45S | 390 | 22 × 45 | 0.15 | 1.56 | EKMS3B1VSN391MP45S | |
| | 1,200 | 30 × 35 | 0.15 | 2.83 | EKMS181VSN122MR35S | 390 | 22 × 50 | 0.15 | 1.59 | EKMS3B1VSN391MP50S | |
| | 1,200 | 35 × 25 | 0.15 | 2.91 | EKMS181VSN122MA25S | 390 | 25.4 × 35 | 0.15 | 1.57 | EKMS3B1VSN391MQ35S | |
| | 1,500 | 25.4 × 50 | 0.15 | 3.10 | EKMS181VSN152MQ50S | 470 | 25.4 × 40 | 0.15 | 1.76 | EKMS3B1VSN471MQ40S | |
| | 1,500 | 30 × 40 | 0.15 | 3.26 | EKMS181VSN152MR40S | 470 | 30 × 30 | 0.15 | 1.73 | EKMS3B1VSN471MR30S | |
| | 1,500 | 35 × 30 | 0.15 | 3.31 | EKMS181VSN152MA30S | 470 | 35 × 25 | 0.15 | 1.82 | EKMS3B1VSN471MA25S | |
| | 1,800 | 30 × 45 | 0.15 | 3.66 | EKMS181VSN182MR45S | 560 | 25.4 × 45 | 0.15 | 1.96 | EKMS3B1VSN561MQ45S | |
| | 1,800 | 35 × 35 | 0.15 | 3.68 | EKMS181VSN182MA35S | 560 | 25.4 × 50 | 0.15 | 1.99 | EKMS3B1VSN561MQ50S | |
| 2,200 | 30 × 50 | 0.15 | 4.11 | EKMS181VSN222MR50S | 560 | 30 × 35 | 0.15 | 1.93 | EKMS3B1VSN561MR35S | | |
| 2,200 | 35 × 40 | 0.15 | 4.22 | EKMS181VSN222MA40S | 560 | 35 × 30 | 0.15 | 2.02 | EKMS3B1VSN561MA30S | | |
| 2,700 | 35 × 45 | 0.15 | 4.78 | EKMS181VSN272MA45S | 680 | 30 × 40 | 0.15 | 2.19 | EKMS3B1VSN681MR40S | | |
| 2,700 | 35 × 50 | 0.15 | 4.88 | EKMS181VSN272MA50S | 680 | 35 × 35 | 0.15 | 2.26 | EKMS3B1VSN681MA35S | | |
| 200 | 390 | 22 × 25 | 0.15 | 1.34 | EKMS201VSN391MP25S | 820 | 30 × 45 | 0.15 | 2.47 | EKMS3B1VSN821MR45S | |
| | 470 | 22 × 30 | 0.15 | 1.54 | EKMS201VSN471MP30S | 820 | 30 × 50 | 0.15 | 2.51 | EKMS3B1VSN821MR50S | |
| | 560 | 22 × 35 | 0.15 | 1.72 | EKMS201VSN561MP35S | 820 | 35 × 40 | 0.15 | 2.57 | EKMS3B1VSN821MA40S | |
| | 560 | 25.4 × 25 | 0.15 | 1.67 | EKMS201VSN561MQ25S | 1,000 | 35 × 45 | 0.15 | 2.91 | EKMS3B1VSN102MA45S | |
| | 680 | 22 × 40 | 0.15 | 1.94 | EKMS201VSN681MP40S | 1,200 | 35 × 50 | 0.15 | 3.25 | EKMS3B1VSN122MA50S | |
| | 680 | 25.4 × 30 | 0.15 | 1.89 | EKMS201VSN681MQ30S | 120 | 22 × 25 | 0.15 | 0.77 | EKMS401VSN121MP25S | |
| | 820 | 22 × 45 | 0.15 | 2.17 | EKMS201VSN821MP45S | 150 | 22 × 30 | 0.15 | 0.90 | EKMS401VSN151MP30S | |
| | 820 | 25.4 × 35 | 0.15 | 2.17 | EKMS201VSN821MQ35S | 180 | 22 × 35 | 0.15 | 1.02 | EKMS401VSN181MP35S | |
| | 820 | 30 × 25 | 0.15 | 2.26 | EKMS201VSN821MR25S | 180 | 25.4 × 25 | 0.15 | 0.99 | EKMS401VSN181MQ25S | |
| | 1,000 | 22 × 50 | 0.15 | 2.45 | EKMS201VSN102MP50S | 220 | 22 × 40 | 0.15 | 1.15 | EKMS401VSN221MP40S | |
| | 1,000 | 25.4 × 40 | 0.15 | 2.45 | EKMS201VSN102MQ40S | 220 | 25.4 × 30 | 0.15 | 1.13 | EKMS401VSN221MQ30S | |
| | 1,000 | 30 × 30 | 0.15 | 2.52 | EKMS201VSN102MR30S | 270 | 22 × 45 | 0.15 | 1.29 | EKMS401VSN271MP45S | |
| | 1,000 | 35 × 25 | 0.15 | 2.66 | EKMS201VSN102MA25S | 270 | 25.4 × 35 | 0.15 | 1.30 | EKMS401VSN271MQ35S | |
| | 1,200 | 25.4 × 45 | 0.15 | 2.73 | EKMS201VSN122MQ45S | 270 | 30 × 25 | 0.15 | 1.29 | EKMS401VSN271MR25S | |
| | 1,200 | 25.4 × 50 | 0.15 | 2.78 | EKMS201VSN122MQ50S | 330 | 22 × 50 | 0.15 | 1.47 | EKMS401VSN331MP50S | |
| | 1,200 | 30 × 35 | 0.15 | 2.83 | EKMS201VSN122MR35S | 330 | 25.4 × 40 | 0.15 | 1.47 | EKMS401VSN331MQ40S | |
| | 1,200 | 35 × 30 | 0.15 | 2.96 | EKMS201VSN122MA30S | 330 | 30 × 30 | 0.15 | 1.45 | EKMS401VSN331MR30S | |
| | 1,500 | 30 × 40 | 0.15 | 3.26 | EKMS201VSN152MR40S | 330 | 35 × 25 | 0.15 | 1.52 | EKMS401VSN331MA25S | |
| | 1,500 | 35 × 35 | 0.15 | 3.36 | EKMS201VSN152MA35S | 390 | 25.4 × 45 | 0.15 | 1.63 | EKMS401VSN391MQ45S | |

◆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. |
|-----------------------|----------|--------------------|-------|--|--------------------|-----------------------|-----------|--------------------|--------------------|--|--------------------|
| 400 | 390 | 25.4 × 50 | 0.15 | 1.66 | EKMS401VSN391MQ50S | 500 | 47 | 22 × 25 | 0.20 | 0.51 | EKMS501VSN470MP25S |
| | 390 | 30 × 35 | 0.15 | 1.61 | EKMS401VSN391MR35S | | 56 | 22 × 30 | 0.20 | 0.58 | EKMS501VSN560MP30S |
| | 470 | 30 × 40 | 0.15 | 1.82 | EKMS401VSN471MR40S | | 68 | 25.4 × 25 | 0.20 | 0.65 | EKMS501VSN680MQ25S |
| | 470 | 35 × 30 | 0.15 | 1.85 | EKMS401VSN471MA30S | | 82 | 22 × 35 | 0.20 | 0.72 | EKMS501VSN820MP35S |
| | 560 | 30 × 45 | 0.15 | 2.04 | EKMS401VSN561MR45S | | 82 | 25.4 × 30 | 0.20 | 0.74 | EKMS501VSN820MQ30S |
| | 560 | 30 × 50 | 0.15 | 2.07 | EKMS401VSN561MR50S | | 100 | 22 × 45 | 0.20 | 0.83 | EKMS501VSN101MP45S |
| | 560 | 35 × 35 | 0.15 | 2.05 | EKMS401VSN561MA35S | | 100 | 30 × 25 | 0.20 | 0.82 | EKMS501VSN101MR25S |
| | 680 | 35 × 40 | 0.15 | 2.34 | EKMS401VSN681MA40S | | 120 | 22 × 50 | 0.20 | 0.93 | EKMS501VSN121MP50S |
| | 680 | 35 × 45 | 0.15 | 2.40 | EKMS401VSN681MA45S | | 120 | 25.4 × 35 | 0.20 | 0.93 | EKMS501VSN121MQ35S |
| 820 | 35 × 50 | 0.15 | 2.69 | EKMS401VSN821MA50S | 120 | 30 × 30 | 0.20 | 0.91 | EKMS501VSN121MR30S | | |
| 420 | 100 | 22 × 25 | 0.20 | 0.70 | EKMS421VSN101MP25S | 150 | 25.4 × 45 | 0.20 | 1.08 | EKMS501VSN151MQ45S | |
| | 120 | 22 × 30 | 0.20 | 0.81 | EKMS421VSN121MP30S | 150 | 30 × 35 | 0.20 | 1.04 | EKMS501VSN151MR35S | |
| | 120 | 25.4 × 25 | 0.20 | 0.81 | EKMS421VSN121MQ25S | 150 | 35 × 25 | 0.20 | 0.99 | EKMS501VSN151MA25S | |
| | 150 | 22 × 35 | 0.20 | 0.93 | EKMS421VSN151MP35S | 180 | 25.4 × 50 | 0.20 | 1.20 | EKMS501VSN181MQ50S | |
| | 180 | 22 × 40 | 0.20 | 1.04 | EKMS421VSN181MP40S | 180 | 30 × 40 | 0.20 | 1.17 | EKMS501VSN181MR40S | |
| | 180 | 25.4 × 30 | 0.20 | 1.02 | EKMS421VSN181MQ30S | 180 | 35 × 30 | 0.20 | 1.10 | EKMS501VSN181MA30S | |
| | 180 | 30 × 25 | 0.20 | 1.06 | EKMS421VSN181MR25S | 220 | 30 × 45 | 0.20 | 1.33 | EKMS501VSN221MR45S | |
| | 220 | 22 × 45 | 0.20 | 1.17 | EKMS421VSN221MP45S | 220 | 35 × 35 | 0.20 | 1.23 | EKMS501VSN221MA35S | |
| | 220 | 22 × 50 | 0.20 | 1.20 | EKMS421VSN221MP50S | 270 | 30 × 50 | 0.20 | 1.50 | EKMS501VSN271MR50S | |
| | 220 | 25.4 × 35 | 0.20 | 1.18 | EKMS421VSN221MQ35S | 270 | 35 × 40 | 0.20 | 1.42 | EKMS501VSN271MA40S | |
| | 220 | 30 × 30 | 0.20 | 1.18 | EKMS421VSN221MR30S | 330 | 35 × 45 | 0.20 | 1.60 | EKMS501VSN331MA45S | |
| | 270 | 25.4 × 40 | 0.20 | 1.33 | EKMS421VSN271MQ40S | 390 | 35 × 50 | 0.20 | 1.78 | EKMS501VSN391MA50S | |
| | 270 | 25.4 × 45 | 0.20 | 1.36 | EKMS421VSN271MQ45S | 470 | 35 × 60 | 0.20 | 2.03 | EKMS501VSN471MA60S | |
| | 270 | 35 × 25 | 0.20 | 1.38 | EKMS421VSN271MA25S | 550 | 82 | 22 × 35 | 0.20 | 0.72 | EKMS551VSN820MP35S |
| | 330 | 25.4 × 50 | 0.20 | 1.52 | EKMS421VSN331MQ50S | | 82 | 25.4 × 30 | 0.20 | 0.74 | EKMS551VSN820MQ30S |
| | 330 | 30 × 35 | 0.20 | 1.48 | EKMS421VSN331MR35S | | 100 | 22 × 45 | 0.20 | 0.83 | EKMS551VSN101MP45S |
| | 330 | 30 × 40 | 0.20 | 1.52 | EKMS421VSN331MR40S | | 100 | 25.4 × 35 | 0.20 | 0.85 | EKMS551VSN101MQ35S |
| | 330 | 35 × 30 | 0.20 | 1.55 | EKMS421VSN331MA30S | | 100 | 30 × 25 | 0.20 | 0.82 | EKMS551VSN101MR25S |
| | 390 | 30 × 45 | 0.20 | 1.70 | EKMS421VSN391MR45S | | 120 | 22 × 50 | 0.20 | 0.93 | EKMS551VSN121MP50S |
| | 390 | 35 × 35 | 0.20 | 1.71 | EKMS421VSN391MA35S | | 120 | 25.4 × 40 | 0.20 | 0.95 | EKMS551VSN121MQ40S |
| | 470 | 30 × 50 | 0.20 | 1.90 | EKMS421VSN471MR50S | | 120 | 30 × 30 | 0.20 | 0.91 | EKMS551VSN121MR30S |
| 470 | 35 × 40 | 0.20 | 1.95 | EKMS421VSN471MA40S | 120 | | 35 × 25 | 0.20 | 0.88 | EKMS551VSN121MA25S | |
| 560 | 35 × 45 | 0.20 | 2.17 | EKMS421VSN561MA45S | 150 | | 25.4 × 45 | 0.20 | 1.08 | EKMS551VSN151MQ45S | |
| 680 | 35 × 50 | 0.20 | 2.45 | EKMS421VSN681MA50S | 150 | | 30 × 35 | 0.20 | 1.04 | EKMS551VSN151MR35S | |
| 450 | 82 | 22 × 25 | 0.20 | 0.64 | EKMS451VSN820MP25S | | 180 | 25.4 × 50 | 0.20 | 1.20 | EKMS551VSN181MQ50S |
| | 120 | 22 × 30 | 0.20 | 0.81 | EKMS451VSN121MP30S | | 180 | 30 × 40 | 0.20 | 1.17 | EKMS551VSN181MR40S |
| | 120 | 22 × 35 | 0.20 | 0.83 | EKMS451VSN121MP35S | | 180 | 35 × 30 | 0.20 | 1.10 | EKMS551VSN181MA30S |
| | 120 | 25.4 × 25 | 0.20 | 0.81 | EKMS451VSN121MQ25S | | 220 | 30 × 45 | 0.20 | 1.33 | EKMS551VSN221MR45S |
| | 150 | 22 × 40 | 0.20 | 0.94 | EKMS451VSN151MP40S | 220 | 35 × 35 | 0.20 | 1.23 | EKMS551VSN221MA35S | |
| | 150 | 25.4 × 30 | 0.20 | 0.93 | EKMS451VSN151MQ30S | 270 | 30 × 50 | 0.20 | 1.50 | EKMS551VSN271MR50S | |
| | 180 | 22 × 45 | 0.20 | 1.06 | EKMS451VSN181MP45S | 270 | 35 × 40 | 0.20 | 1.42 | EKMS551VSN271MA40S | |
| | 180 | 25.4 × 35 | 0.20 | 1.06 | EKMS451VSN181MQ35S | 330 | 35 × 45 | 0.20 | 1.60 | EKMS551VSN331MA45S | |
| | 180 | 30 × 25 | 0.20 | 1.06 | EKMS451VSN181MR25S | 330 | 35 × 50 | 0.20 | 1.64 | EKMS551VSN331MA50S | |
| | 220 | 22 × 50 | 0.20 | 1.20 | EKMS451VSN221MP50S | 470 | 35 × 60 | 0.20 | 2.03 | EKMS551VSN471MA60S | |
| | 220 | 25.4 × 40 | 0.20 | 1.20 | EKMS451VSN221MQ40S | 600 | 100 | 30 × 30 | 0.20 | 0.83 | EKMS601VSN101MR30S |
| | 220 | 30 × 30 | 0.20 | 1.18 | EKMS451VSN221MR30S | | 100 | 35 × 25 | 0.20 | 0.85 | EKMS601VSN101MA25S |
| | 220 | 35 × 25 | 0.20 | 1.24 | EKMS451VSN221MA25S | | 120 | 30 × 35 | 0.20 | 0.93 | EKMS601VSN121MR35S |
| | 270 | 25.4 × 45 | 0.20 | 1.36 | EKMS451VSN271MQ45S | | 150 | 30 × 40 | 0.20 | 1.07 | EKMS601VSN151MR40S |
| | 270 | 25.4 × 50 | 0.20 | 1.38 | EKMS451VSN271MQ50S | | 150 | 35 × 30 | 0.20 | 1.06 | EKMS601VSN151MA30S |
| | 270 | 30 × 35 | 0.20 | 1.34 | EKMS451VSN271MR35S | | 180 | 30 × 45 | 0.20 | 1.20 | EKMS601VSN181MR45S |
| | 270 | 35 × 30 | 0.20 | 1.40 | EKMS451VSN271MA30S | | 180 | 30 × 50 | 0.20 | 1.22 | EKMS601VSN181MR50S |
| | 330 | 30 × 40 | 0.20 | 1.52 | EKMS451VSN331MR40S | | 180 | 35 × 35 | 0.20 | 1.18 | EKMS601VSN181MA35S |
| | 390 | 30 × 45 | 0.20 | 1.70 | EKMS451VSN391MR45S | | 220 | 30 × 60 | 0.20 | 1.40 | EKMS601VSN221MR60S |
| | 390 | 30 × 50 | 0.20 | 1.73 | EKMS451VSN391MR50S | | 220 | 35 × 40 | 0.20 | 1.35 | EKMS601VSN221MA40S |
| | 390 | 35 × 35 | 0.20 | 1.71 | EKMS451VSN391MA35S | | 220 | 35 × 45 | 0.20 | 1.38 | EKMS601VSN221MA45S |
| 470 | 35 × 40 | 0.20 | 1.95 | EKMS451VSN471MA40S | 270 | | 35 × 50 | 0.20 | 1.56 | EKMS601VSN271MA50S | |
| 470 | 35 × 45 | 0.20 | 1.99 | EKMS451VSN471MA45S | 330 | | 35 × 60 | 0.20 | 1.79 | EKMS601VSN331MA60S | |
| 560 | 35 × 50 | 0.20 | 2.22 | EKMS451VSN561MA50S | | | | | | | |

Snap-in

◆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 |
| 500 to 600V _{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.

Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

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 [United Chemi-Con Information](#)

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