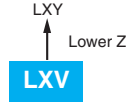


LXV Series

- Low impedance
- Endurance with ripple current : 2,000 to 5,000 hours at 105°C
- Solvent resistant type (see PRECAUTIONS AND GUIDELINES)
- RoHS2 Compliant
- AEC-Q200 compliant : Please contact Chemi-Con for more details, test data, information.



SPECIFICATIONS

| Items | Characteristics | |
|---------------------------------|---|---|
| Category | -55 to +105°C | |
| Temperature Range | -55 to +105°C | |
| Rated Voltage Range | 6.3 to 100V _{ac} | |
| Capacitance Tolerance | ±20% (M) (at 20°C, 120Hz) | |
| Leakage Current | I=0.01CV or 3μA, whichever is greater. Where, I : Max. leakage current (μA), C : Nominal capacitance (μF), V : Rated voltage (V) (at 20°C after 2 minutes) | |
| Dissipation Factor (tan δ) | Rated voltage (V _{ac}) | 6.3V 10V 16V 25V 35V 50V 63V 80V 100V |
| | tan δ (Max.) | 0.22 0.19 0.16 0.14 0.12 0.10 0.10 0.09 0.08 |
| | When nominal capacitance exceeds 1,000μF, add 0.02 to the value above for each 1,000μF increase. (at 20°C, 120Hz) | |
| Low Temperature Characteristics | Capacitance change ΔC (-55°C /+20°C) | 0.7min. |
| | Max. impedance ratio (-55°C /+20°C) | 3max.(6.3V _{ac} : 4max.) (at 120Hz) |
| 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 the specified period of time at 105°C. | |
| | Time | φ 5 to 6.3 : 2,000hours φ 8 & 10: 3,000hours φ 12.5 to φ 18: 5,000hours |
| | Capacitance change | ≤ ±20% of the initial value |
| | D.F. (tan δ) | ≤200% 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 | ≤ ±20% of the initial value |
| | D.F. (tan δ) | ≤200% of the initial specified value |
| | Leakage current | ≤The initial specified value |

DIMENSIONS [mm]

- Terminal Code : E



| φD | 5 | 6.3 | 8 | 10 | 12.5 | 16 | 18 |
|-----|------------|-----|-----|-----|------|-----|-----|
| φd | 0.5 | 0.5 | 0.6 | 0.6 | 0.6 | 0.8 | 0.8 |
| F | 2.0 | 2.5 | 3.5 | 5.0 | 5.0 | 7.5 | 7.5 |
| φD' | φD+0.5max. | | | | | | |
| L' | L+1.5max. | | | | | | |

PART NUMBERING SYSTEM



Please refer to "Product code guide (radial lead type)"

◆ STANDARD RATINGS

| VV (V _{dc}) | Cap (μF) | Case size φD×L(mm) | Impedance (Ω max./100kHz) | | Rated ripple current (mA rms/105°C, 100kHz) | Part No. | VV (V _{dc}) | Cap (μF) | Case size φD×L(mm) | Impedance (Ω max./100kHz) | | Rated ripple current (mA rms/105°C, 100kHz) | Part No. |
|-----------------------|----------|--------------------|---------------------------|-------|---|--------------------|-----------------------|----------|--------------------|---------------------------|--------------------|---|--------------------|
| | | | 20°C | -10°C | | | | | | 20°C | -10°C | | |
| 6.3 | 120 | 5×11.5 | 0.72 | 1.8 | 165 | ELXV6R3E□□121MEB5D | 16 | 2,700 | 12.5×35 | 0.027 | 0.068 | 2,230 | ELXV160E□□272MK35S |
| | 220 | 6.3×11.5 | 0.38 | 0.95 | 255 | ELXV6R3E□□221MFB5D | | 2,700 | 16×25 | 0.028 | 0.070 | 2,190 | ELXV160E□□272ML25S |
| | 330 | 6.3×15 | 0.27 | 0.68 | 330 | ELXV6R3E□□331MF15D | | 3,300 | 12.5×40 | 0.024 | 0.060 | 2,460 | ELXV160E□□332MK40S |
| | 390 | 8×12 | 0.20 | 0.50 | 415 | ELXV6R3E□□391MH12D | | 3,300 | 18×20 | 0.036 | 0.090 | 1,940 | ELXV160E□□332MM20S |
| | 470 | 10×12.5 | 0.12 | 0.30 | 635 | ELXV6R3E□□471MJC5S | | 3,900 | 16×30 | 0.025 | 0.063 | 2,510 | ELXV160E□□392ML30S |
| | 560 | 8×15 | 0.16 | 0.40 | 495 | ELXV6R3E□□561MH15D | | 3,900 | 18×25 | 0.027 | 0.068 | 2,350 | ELXV160E□□392MM25S |
| | 680 | 10×16 | 0.084 | 0.21 | 825 | ELXV6R3E□□681MJ16S | | 4,700 | 16×35 | 0.022 | 0.055 | 2,770 | ELXV160E□□472ML35S |
| | 820 | 8×20 | 0.11 | 0.28 | 640 | ELXV6R3E□□821MH20D | | 4,700 | 18×30 | 0.024 | 0.060 | 2,720 | ELXV160E□□472MM30S |
| | 1,200 | 10×20 | 0.062 | 0.16 | 1,060 | ELXV6R3E□□122MJ20S | | 5,600 | 16×40 | 0.018 | 0.045 | 3,110 | ELXV160E□□562ML40S |
| | 1,500 | 10×25 | 0.052 | 0.13 | 1,260 | ELXV6R3E□□152MJ25S | | 6,800 | 18×35 | 0.021 | 0.053 | 3,050 | ELXV160E□□682MM35S |
| | 2,200 | 10×30 | 0.044 | 0.11 | 1,450 | ELXV6R3E□□222MJ30S | | 8,200 | 18×40 | 0.017 | 0.043 | 3,300 | ELXV160E□□822MM40S |
| | 2,200 | 12.5×20 | 0.046 | 0.12 | 1,360 | ELXV6R3E□□222MK20S | | 39 | 5×11.5 | 0.72 | 1.8 | 165 | ELXV250E□□390MEB5D |
| | 2,700 | 12.5×25 | 0.034 | 0.085 | 1,700 | ELXV6R3E□□272MK25S | | 82 | 6.3×11.5 | 0.38 | 0.95 | 255 | ELXV250E□□820MFB5D |
| | 3,900 | 12.5×30 | 0.030 | 0.075 | 1,980 | ELXV6R3E□□392MK30S | | 120 | 6.3×15 | 0.27 | 0.68 | 330 | ELXV250E□□121MF15D |
| | 3,900 | 16×20 | 0.038 | 0.095 | 1,770 | ELXV6R3E□□392ML20S | | 150 | 8×12 | 0.20 | 0.50 | 415 | ELXV250E□□151MH12D |
| | 4,700 | 12.5×35 | 0.027 | 0.068 | 2,230 | ELXV6R3E□□472MK35S | | 180 | 10×12.5 | 0.12 | 0.30 | 635 | ELXV250E□□181MJC5S |
| | 5,600 | 12.5×40 | 0.024 | 0.060 | 2,460 | ELXV6R3E□□562MK40S | | 220 | 8×15 | 0.16 | 0.40 | 495 | ELXV250E□□221MH15D |
| | 5,600 | 16×25 | 0.028 | 0.070 | 2,190 | ELXV6R3E□□562ML25S | | 330 | 8×20 | 0.11 | 0.28 | 640 | ELXV250E□□331MH20D |
| 5,600 | 18×20 | 0.036 | 0.090 | 1,940 | ELXV6R3E□□562MM20S | 330 | 10×16 | 0.084 | 0.21 | 825 | ELXV250E□□331MJ16S | | |
| 6,800 | 16×30 | 0.025 | 0.063 | 2,510 | ELXV6R3E□□682ML30S | 470 | 10×20 | 0.062 | 0.16 | 1,060 | ELXV250E□□471MJ20S | | |
| 6,800 | 18×25 | 0.027 | 0.068 | 2,350 | ELXV6R3E□□682MM25S | 560 | 10×25 | 0.052 | 0.13 | 1,260 | ELXV250E□□561MJ25S | | |
| 8,200 | 16×35 | 0.022 | 0.055 | 2,770 | ELXV6R3E□□822ML35S | 820 | 10×30 | 0.044 | 0.11 | 1,450 | ELXV250E□□821MJ30S | | |
| 10,000 | 16×40 | 0.018 | 0.045 | 3,110 | ELXV6R3E□□103ML40S | 820 | 12.5×20 | 0.046 | 0.12 | 1,360 | ELXV250E□□821MK20S | | |
| 10,000 | 18×30 | 0.024 | 0.060 | 2,720 | ELXV6R3E□□103MM30S | 1,000 | 12.5×25 | 0.034 | 0.085 | 1,700 | ELXV250E□□102MK25S | | |
| 12,000 | 18×35 | 0.021 | 0.053 | 3,050 | ELXV6R3E□□123MM35S | 1,500 | 12.5×30 | 0.030 | 0.075 | 1,980 | ELXV250E□□152MK30S | | |
| 15,000 | 18×40 | 0.017 | 0.043 | 3,300 | ELXV6R3E□□153MM40S | 1,500 | 16×20 | 0.038 | 0.095 | 1,770 | ELXV250E□□152ML20S | | |
| 10 | 82 | 5×11.5 | 0.72 | 1.8 | 165 | ELXV100E□□820MEB5D | 1,800 | 12.5×35 | 0.027 | 0.068 | 2,230 | ELXV250E□□182MK35S | |
| | 180 | 6.3×11.5 | 0.38 | 0.95 | 255 | ELXV100E□□181MFB5D | 1,800 | 16×25 | 0.028 | 0.070 | 2,190 | ELXV250E□□182ML25S | |
| | 270 | 6.3×15 | 0.27 | 0.68 | 330 | ELXV100E□□271MF15D | 2,200 | 12.5×40 | 0.024 | 0.060 | 2,460 | ELXV250E□□222MK40S | |
| | 330 | 8×12 | 0.20 | 0.50 | 415 | ELXV100E□□331MH12D | 2,200 | 18×20 | 0.036 | 0.090 | 1,940 | ELXV250E□□222MM20S | |
| | 390 | 10×12.5 | 0.12 | 0.30 | 635 | ELXV100E□□391MJC5S | 2,700 | 16×30 | 0.025 | 0.063 | 2,510 | ELXV250E□□272ML30S | |
| | 470 | 8×15 | 0.16 | 0.40 | 495 | ELXV100E□□471MH15D | 2,700 | 18×25 | 0.027 | 0.068 | 2,350 | ELXV250E□□272MM25S | |
| | 680 | 8×20 | 0.11 | 0.28 | 640 | ELXV100E□□681MH20D | 3,300 | 16×35 | 0.022 | 0.055 | 2,770 | ELXV250E□□332ML35S | |
| | 680 | 10×16 | 0.084 | 0.21 | 825 | ELXV100E□□681MJ16S | 3,300 | 18×30 | 0.024 | 0.060 | 2,720 | ELXV250E□□332MM30S | |
| | 1,000 | 10×20 | 0.062 | 0.16 | 1,060 | ELXV100E□□102MJ20S | 3,900 | 16×40 | 0.018 | 0.045 | 3,110 | ELXV250E□□392ML40S | |
| | 1,200 | 10×25 | 0.052 | 0.13 | 1,260 | ELXV100E□□122MJ25S | 3,900 | 18×35 | 0.021 | 0.053 | 3,050 | ELXV250E□□392MM35S | |
| | 1,500 | 10×30 | 0.044 | 0.11 | 1,450 | ELXV100E□□152MJ30S | 4,700 | 18×40 | 0.017 | 0.043 | 3,300 | ELXV250E□□472MM40S | |
| | 1,800 | 12.5×20 | 0.046 | 0.12 | 1,360 | ELXV100E□□182MK20S | 27 | 5×11.5 | 0.72 | 1.8 | 165 | ELXV350E□□270MEB5D | |
| | 2,200 | 12.5×25 | 0.034 | 0.085 | 1,700 | ELXV100E□□222MK25S | 56 | 6.3×11.5 | 0.38 | 0.95 | 255 | ELXV350E□□560MFB5D | |
| | 2,700 | 12.5×30 | 0.030 | 0.075 | 1,980 | ELXV100E□□272MK30S | 82 | 6.3×15 | 0.27 | 0.68 | 330 | ELXV350E□□820MF15D | |
| | 3,300 | 12.5×35 | 0.027 | 0.068 | 2,230 | ELXV100E□□332MK35S | 120 | 8×12 | 0.20 | 0.50 | 415 | ELXV350E□□121MH12D | |
| | 3,300 | 16×20 | 0.038 | 0.095 | 1,770 | ELXV100E□□332ML20S | 120 | 10×12.5 | 0.12 | 0.30 | 635 | ELXV350E□□121MJC5S | |
| | 3,900 | 12.5×40 | 0.024 | 0.060 | 2,460 | ELXV100E□□392MK40S | 180 | 8×15 | 0.16 | 0.40 | 495 | ELXV350E□□181MH15D | |
| | 3,900 | 16×25 | 0.028 | 0.070 | 2,190 | ELXV100E□□392ML25S | 220 | 8×20 | 0.11 | 0.28 | 640 | ELXV350E□□221MH20D | |
| 3,900 | 18×20 | 0.036 | 0.090 | 1,940 | ELXV100E□□392MM20S | 220 | 10×16 | 0.084 | 0.21 | 825 | ELXV350E□□221MJ16S | | |
| 4,700 | 18×25 | 0.027 | 0.068 | 2,350 | ELXV100E□□472MM25S | 330 | 10×20 | 0.062 | 0.16 | 1,060 | ELXV350E□□331MJ20S | | |
| 5,600 | 16×30 | 0.025 | 0.063 | 2,510 | ELXV100E□□562ML30S | 390 | 10×25 | 0.052 | 0.13 | 1,260 | ELXV350E□□391MJ25S | | |
| 6,800 | 16×35 | 0.022 | 0.055 | 2,770 | ELXV100E□□682ML35S | 560 | 10×30 | 0.044 | 0.11 | 1,450 | ELXV350E□□561MJ30S | | |
| 6,800 | 18×30 | 0.024 | 0.060 | 2,720 | ELXV100E□□682MM30S | 560 | 12.5×20 | 0.046 | 0.12 | 1,360 | ELXV350E□□561MK20S | | |
| 8,200 | 16×40 | 0.018 | 0.045 | 3,110 | ELXV100E□□822ML40S | 680 | 12.5×25 | 0.034 | 0.085 | 1,700 | ELXV350E□□681MK25S | | |
| 8,200 | 18×35 | 0.021 | 0.053 | 3,050 | ELXV100E□□822MM35S | 1,000 | 12.5×30 | 0.030 | 0.075 | 1,980 | ELXV350E□□102MK30S | | |
| 10,000 | 18×40 | 0.017 | 0.043 | 3,300 | ELXV100E□□103MM40S | 1,000 | 16×20 | 0.038 | 0.095 | 1,770 | ELXV350E□□102ML20S | | |
| 16 | 56 | 5×11.5 | 0.72 | 1.8 | 165 | ELXV160E□□560MEB5D | 1,200 | 12.5×35 | 0.027 | 0.068 | 2,230 | ELXV350E□□122MK35S | |
| | 120 | 6.3×11.5 | 0.38 | 0.95 | 255 | ELXV160E□□121MFB5D | 1,200 | 16×25 | 0.028 | 0.070 | 2,190 | ELXV350E□□122ML25S | |
| | 180 | 6.3×15 | 0.27 | 0.68 | 330 | ELXV160E□□181MF15D | 1,500 | 12.5×40 | 0.024 | 0.060 | 2,460 | ELXV350E□□152MK40S | |
| | 270 | 8×12 | 0.20 | 0.50 | 415 | ELXV160E□□271MH12D | 1,500 | 18×20 | 0.036 | 0.090 | 1,940 | ELXV350E□□152MM20S | |
| | 270 | 10×12.5 | 0.12 | 0.30 | 635 | ELXV160E□□271MJC5S | 1,800 | 16×30 | 0.025 | 0.063 | 2,510 | ELXV350E□□182ML30S | |
| | 330 | 8×15 | 0.16 | 0.40 | 495 | ELXV160E□□331MH15D | 1,800 | 18×25 | 0.027 | 0.068 | 2,350 | ELXV350E□□182MM25S | |
| | 470 | 8×20 | 0.11 | 0.28 | 640 | ELXV160E□□471MH20D | 2,200 | 16×35 | 0.022 | 0.055 | 2,770 | ELXV350E□□222ML35S | |
| | 470 | 10×16 | 0.084 | 0.21 | 825 | ELXV160E□□471MJ16S | 2,200 | 18×30 | 0.024 | 0.060 | 2,720 | ELXV350E□□222MM30S | |
| | 680 | 10×20 | 0.062 | 0.16 | 1,060 | ELXV160E□□681MJ20S | 2,700 | 16×40 | 0.018 | 0.045 | 3,110 | ELXV350E□□272ML40S | |
| | 820 | 10×25 | 0.052 | 0.13 | 1,260 | ELXV160E□□821MJ25S | 2,700 | 18×35 | 0.021 | 0.053 | 3,050 | ELXV350E□□272MM35S | |
| | 1,200 | 10×30 | 0.044 | 0.11 | 1,450 | ELXV160E□□122MJ30S | 3,300 | 18×40 | 0.017 | 0.043 | 3,300 | ELXV350E□□332MM40S | |
| | 1,200 | 12.5×20 | 0.046 | 0.12 | 1,360 | ELXV160E□□122MK20S | 18 | 5×11.5 | 1.1 | 3.3 | 165 | ELXV500E□□180MEB5D | |
| | 1,500 | 12.5×25 | 0.034 | 0.085 | 1,700 | ELXV160E□□152MK25S | 39 | 6.3×11.5 | 0.56 | 1.6 | 255 | ELXV500E□□390MFB5D | |
| | 2,200 | 12.5×30 | 0.030 | 0.075 | 1,980 | ELXV160E□□222MK30S | 56 | 6.3×15 | 0.41 | 1.2 | 310 | ELXV500E□□560MF15D | |
| | 2,200 | 16×20 | 0.038 | 0.095 | 1,770 | ELXV160E□□222ML20S | 68 | 8×12 | 0.29 | 0.84 | 415 | ELXV500E□□680MH12D | |

□□ : Enter the appropriate lead forming or taping code.

◆STANDARD RATINGS

| VV (V _{dc}) | Cap (μF) | Case size φD×L(mm) | Impedance (Ω max./100kHz) | | Rated ripple current (mA rms/105°C, 100kHz) | Part No. | VV (V _{dc}) | Cap (μF) | Case size φD×L(mm) | Impedance (Ω max./100kHz) | | Rated ripple current (mA rms/105°C, 100kHz) | Part No. |
|-----------------------|----------|--------------------|---------------------------|-------|---|--------------------|-----------------------|----------|--------------------|---------------------------|--------------------|---|--------------------|
| | | | 20°C | -10°C | | | | | | 20°C | -10°C | | |
| 50 | 82 | 8×15 | 0.24 | 0.72 | 505 | ELXV500E□□820MH15D | 80 | 27 | 6.3×15 | 0.62 | 1.7 | 220 | ELXV800E□□270MF15D |
| | 82 | 10×12.5 | 0.16 | 0.40 | 530 | ELXV500E□□820MJC5S | | 33 | 8×12 | 0.53 | 1.5 | 275 | ELXV800E□□330MH12D |
| | 120 | 8×20 | 0.18 | 0.52 | 610 | ELXV500E□□121MH20D | | 39 | 10×12.5 | 0.47 | 1.3 | 380 | ELXV800E□□390MJC5S |
| | 120 | 10×16 | 0.12 | 0.30 | 755 | ELXV500E□□121MJ16S | | 47 | 8×15 | 0.35 | 0.97 | 360 | ELXV800E□□470MH15D |
| | 180 | 10×20 | 0.088 | 0.22 | 945 | ELXV500E□□181MJ20S | | 56 | 8×20 | 0.27 | 0.74 | 490 | ELXV800E□□560MH20D |
| | 220 | 10×25 | 0.068 | 0.17 | 1,150 | ELXV500E□□221MJ25S | | 56 | 10×16 | 0.33 | 0.90 | 500 | ELXV800E□□560MJ16S |
| | 330 | 10×30 | 0.059 | 0.15 | 1,260 | ELXV500E□□331MJ30S | | 82 | 10×20 | 0.26 | 0.70 | 620 | ELXV800E□□820MJ20S |
| | 330 | 12.5×20 | 0.059 | 0.15 | 1,190 | ELXV500E□□331MK20S | | 100 | 10×25 | 0.19 | 0.52 | 795 | ELXV800E□□101MJ25S |
| | 470 | 12.5×25 | 0.045 | 0.11 | 1,500 | ELXV500E□□471MK25S | | 150 | 10×30 | 0.15 | 0.41 | 955 | ELXV800E□□151MJ30S |
| | 560 | 12.5×30 | 0.039 | 0.098 | 1,720 | ELXV500E□□561MK30S | | 150 | 12.5×20 | 0.15 | 0.41 | 890 | ELXV800E□□151MK20S |
| | 680 | 12.5×35 | 0.033 | 0.083 | 1,900 | ELXV500E□□681MK35S | | 180 | 12.5×25 | 0.11 | 0.30 | 1,040 | ELXV800E□□181MK25S |
| | 680 | 16×20 | 0.043 | 0.11 | 1,500 | ELXV500E□□681ML20S | | 270 | 12.5×30 | 0.094 | 0.26 | 1,270 | ELXV800E□□271MK30S |
| | 820 | 12.5×40 | 0.029 | 0.073 | 2,120 | ELXV500E□□821MK40S | | 270 | 16×20 | 0.11 | 0.30 | 1,240 | ELXV800E□□271ML20S |
| | 820 | 16×25 | 0.033 | 0.083 | 1,880 | ELXV500E□□821ML25S | | 330 | 12.5×35 | 0.087 | 0.24 | 1,450 | ELXV800E□□331MK35S |
| | 820 | 18×20 | 0.039 | 0.098 | 1,660 | ELXV500E□□821MM20S | | 330 | 16×25 | 0.081 | 0.22 | 1,440 | ELXV800E□□331ML25S |
| | 1,000 | 16×30 | 0.029 | 0.073 | 2,150 | ELXV500E□□102ML30S | | 390 | 12.5×40 | 0.060 | 0.17 | 1,610 | ELXV800E□□391MK40S |
| | 1,000 | 18×25 | 0.030 | 0.075 | 2,020 | ELXV500E□□102MM25S | | 390 | 18×20 | 0.085 | 0.23 | 1,450 | ELXV800E□□391MM20S |
| | 1,200 | 16×35 | 0.025 | 0.063 | 2,320 | ELXV500E□□122ML35S | | 470 | 16×30 | 0.058 | 0.16 | 1,790 | ELXV800E□□471ML30S |
| | 1,500 | 16×40 | 0.021 | 0.053 | 2,650 | ELXV500E□□152ML40S | | 470 | 18×25 | 0.070 | 0.19 | 1,650 | ELXV800E□□471MM25S |
| | 1,500 | 18×30 | 0.026 | 0.065 | 2,340 | ELXV500E□□152MM30S | | 560 | 16×35 | 0.052 | 0.14 | 2,000 | ELXV800E□□561ML35S |
| 1,800 | 18×35 | 0.023 | 0.058 | 2,620 | ELXV500E□□182MM35S | 680 | 16×40 | 0.041 | 0.11 | 2,200 | ELXV800E□□681ML40S | | |
| 2,200 | 18×40 | 0.020 | 0.050 | 2,790 | ELXV500E□□222MM40S | 680 | 18×30 | 0.058 | 0.16 | 1,850 | ELXV800E□□681MM30S | | |
| 63 | 12 | 5×11.5 | 1.9 | 4.8 | 100 | ELXV630E□□120MEB5D | 100 | 5.6 | 5×11.5 | 1.9 | 5.1 | 100 | ELXV101E□□5R6MEB5D |
| | 27 | 6.3×11.5 | 1.1 | 2.8 | 160 | ELXV630E□□270MFB5D | | 12 | 6.3×11.5 | 1.1 | 3.0 | 150 | ELXV101E□□120MFB5D |
| | 39 | 6.3×15 | 0.62 | 1.6 | 230 | ELXV630E□□390MF15D | | 18 | 6.3×15 | 0.62 | 1.7 | 220 | ELXV101E□□180MF15D |
| | 47 | 8×12 | 0.49 | 1.3 | 275 | ELXV630E□□470MH12D | | 22 | 8×12 | 0.53 | 1.5 | 275 | ELXV101E□□220MH12D |
| | 56 | 10×12.5 | 0.27 | 0.68 | 420 | ELXV630E□□560MJC5S | | 27 | 10×12.5 | 0.47 | 1.3 | 380 | ELXV101E□□270MJC5S |
| | 68 | 8×15 | 0.34 | 0.85 | 360 | ELXV630E□□680MH15D | | 33 | 8×15 | 0.35 | 0.97 | 360 | ELXV101E□□330MH15D |
| | 68 | 10×16 | 0.21 | 0.53 | 523 | ELXV630E□□680MJ16S | | 33 | 10×16 | 0.33 | 0.90 | 500 | ELXV101E□□330MJ16S |
| | 82 | 8×20 | 0.21 | 0.53 | 500 | ELXV630E□□820MH20D | | 39 | 8×20 | 0.27 | 0.74 | 490 | ELXV101E□□390MH20D |
| | 120 | 10×20 | 0.16 | 0.40 | 650 | ELXV630E□□121MJ20S | | 56 | 10×20 | 0.26 | 0.70 | 620 | ELXV101E□□560MJ20S |
| | 150 | 10×25 | 0.13 | 0.33 | 780 | ELXV630E□□151MJ25S | | 68 | 10×25 | 0.19 | 0.52 | 795 | ELXV101E□□680MJ25S |
| | 180 | 10×30 | 0.10 | 0.25 | 960 | ELXV630E□□181MJ30S | | 100 | 10×30 | 0.15 | 0.41 | 955 | ELXV101E□□101MJ30S |
| | 220 | 12.5×20 | 0.11 | 0.28 | 870 | ELXV630E□□221MK20S | | 100 | 12.5×20 | 0.15 | 0.41 | 890 | ELXV101E□□101MK20S |
| | 270 | 12.5×25 | 0.074 | 0.19 | 1,150 | ELXV630E□□271MK25S | | 120 | 12.5×25 | 0.11 | 0.30 | 1,040 | ELXV101E□□121MK25S |
| | 390 | 12.5×30 | 0.068 | 0.17 | 1,280 | ELXV630E□□391MK30S | | 180 | 12.5×30 | 0.094 | 0.26 | 1,270 | ELXV101E□□181MK30S |
| | 390 | 16×20 | 0.085 | 0.22 | 1,100 | ELXV630E□□391ML20S | | 180 | 16×20 | 0.11 | 0.30 | 1,240 | ELXV101E□□181ML20S |
| | 470 | 12.5×35 | 0.063 | 0.16 | 1,390 | ELXV630E□□471MK35S | | 220 | 12.5×35 | 0.087 | 0.24 | 1,450 | ELXV101E□□221MK35S |
| | 470 | 16×25 | 0.055 | 0.14 | 1,480 | ELXV630E□□471ML25S | | 220 | 16×25 | 0.081 | 0.22 | 1,440 | ELXV101E□□221ML25S |
| | 560 | 12.5×40 | 0.051 | 0.13 | 1,530 | ELXV630E□□561MK40S | | 270 | 12.5×40 | 0.060 | 0.17 | 1,610 | ELXV101E□□271MK40S |
| | 560 | 18×20 | 0.085 | 0.22 | 1,170 | ELXV630E□□561MM20S | | 270 | 18×20 | 0.085 | 0.23 | 1,450 | ELXV101E□□271MM20S |
| | 680 | 16×30 | 0.046 | 0.12 | 1,720 | ELXV630E□□681ML30S | | 330 | 16×30 | 0.058 | 0.16 | 1,790 | ELXV101E□□331ML30S |
| 680 | 18×25 | 0.055 | 0.14 | 1,520 | ELXV630E□□681MM25S | 330 | 18×25 | 0.070 | 0.19 | 1,650 | ELXV101E□□331MM25S | | |
| 820 | 16×35 | 0.040 | 0.10 | 1,910 | ELXV630E□□821ML35S | 390 | 16×35 | 0.052 | 0.14 | 2,000 | ELXV101E□□391ML35S | | |
| 820 | 18×30 | 0.046 | 0.12 | 1,770 | ELXV630E□□821MM30S | 390 | 18×30 | 0.058 | 0.16 | 1,850 | ELXV101E□□391MM30S | | |
| 1,000 | 16×40 | 0.036 | 0.09 | 2,070 | ELXV630E□□102ML40S | 470 | 16×40 | 0.041 | 0.11 | 2,200 | ELXV101E□□471ML40S | | |
| 1,000 | 18×35 | 0.040 | 0.10 | 1,970 | ELXV630E□□102MM35S | 560 | 18×35 | 0.052 | 0.14 | 1,990 | ELXV101E□□561MM35S | | |
| 1,200 | 18×40 | 0.036 | 0.09 | 2,130 | ELXV630E□□122MM40S | 680 | 18×40 | 0.041 | 0.11 | 2,370 | ELXV101E□□681MM40S | | |
| 80 | 8.2 | 5×11.5 | 1.9 | 5.1 | 100 | ELXV800E□□8R2MEB5D | | | | | | | |
| | 18 | 6.3×11.5 | 1.1 | 3.0 | 150 | ELXV800E□□180MFB5D | | | | | | | |

□ □ : Enter the appropriate lead forming or taping code.

◆RATED RIPPLE CURRENT MULTIPLIERS

● Frequency Multipliers

| Rated voltage (V _{dc}) | Case size φD (mm) | Frequency (Hz) | | | | Rated voltage (V _{dc}) | Case size φD (mm) | Frequency (Hz) | | | |
|----------------------------------|-------------------|----------------|------|------|------|----------------------------------|-------------------|----------------|------|------|------|
| | | 120 | 1k | 10k | 100k | | | 120 | 1k | 10k | 100k |
| 6.3 & 10 | 5 to 8 | 0.65 | 0.83 | 0.95 | 1.00 | 35 & 50 | 5 to 8 | 0.40 | 0.66 | 0.85 | 1.00 |
| | 10 & 12.5 | 0.70 | 0.85 | 0.96 | 1.00 | | 10 & 12.5 | 0.50 | 0.73 | 0.89 | 1.00 |
| | 16 & 18 | 0.85 | 0.92 | 0.97 | 1.00 | | 16 & 18 | 0.60 | 0.81 | 0.94 | 1.00 |
| 16 & 25 | 5 to 8 | 0.55 | 0.76 | 0.91 | 1.00 | 63 to 100 | 5 to 8 | 0.20 | 0.55 | 0.80 | 1.00 |
| | 10 & 12.5 | 0.65 | 0.83 | 0.93 | 1.00 | | 10 & 12.5 | 0.35 | 0.65 | 0.85 | 1.00 |
| | 16 & 18 | 0.70 | 0.87 | 0.96 | 1.00 | | 16 & 18 | 0.50 | 0.75 | 0.90 | 1.00 |

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.

Mouser Electronics

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