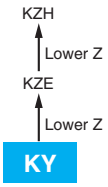
# MINIATURE ALUMINUM ELECTROLYTIC CAPACITORS

Low impedance, 105℃

## KY Series

- Newly innovative electrolyte is employed to minimize ESR
- Endurance with ripple current : 4,000 to 10,000 hours at 105℃
- Non solvent resistant type
- RoHS2 Compliant

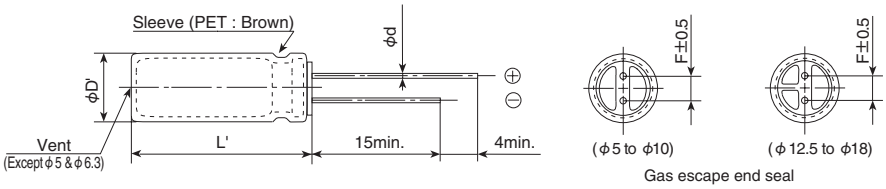



## ◆SPECIFICATIONS

| Items | Characteristics | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Category Temperature Range** | -40 to +105℃ | | | | | | | | | |
| **Rated Voltage Range** | 6.3 to 100Vdc | | | | | | | | | |
| **Capacitance Tolerance** | ±20% (M) (at 20℃, 120Hz) | | | | | | | | | |
| **Leakage Current** | I=0.01CV or 3μA, whichever is greater.<br>Where, I : Max. leakage current (μA), C : Nominal capacitance (μF), V : Rated voltage (V) (at 20℃ after 2 minutes) | | | | | | | | | |
| **Dissipation Factor (tan δ )** | Rated voltage (Vdc) | 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 | 0.09 | 0.09 | 0.08 |
| | When nominal capacitance exceeds 1,000μF, add 0.02 to the value above for each 1,000μF increase. (at 20℃, 120Hz) | | | | | | | | | |
| **Low Temperature Characteristics (Max. Impedance Ratio)** | Rated voltage (Vdc) | 6.3V | 10V | 16V | 25V | 35V | 50V | 63V | 80V | 100V |
| | Z(-25℃)/Z(+20℃) | 4 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | Z(-40℃)/Z(+20℃) | 8 | 6 | 4 | 3 | 3 | 3 | 3 | 3 | 3 |
| | (at 120Hz) | | | | | | | | | |
| **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 the specified period of time at 105℃. | | | | | | | | | |
| | Time: 6.3 to 10Vdc | φ5 & 6.3 : 4,000hours φ8 & 10 : 6,000hours φ12.5 to 18 : 8,000hours | | | | | | | | |
| | Time: 16 to 100Vdc | φ5 & 6.3 : 5,000hours φ8 & 10 : 7,000hours φ12.5 to 18 : 10,000hours | | | | | | | | |
| | Capacitance change | ≦±25% 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℃ after exposing them for 500 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 | ≦±25% of the initial value | | | | | | | | |
| | D.F. (tan δ ) | ≦200% of the initial specified value | | | | | | | | |
| | Leakage current | ≦The initial specified value | | | | | | | | |

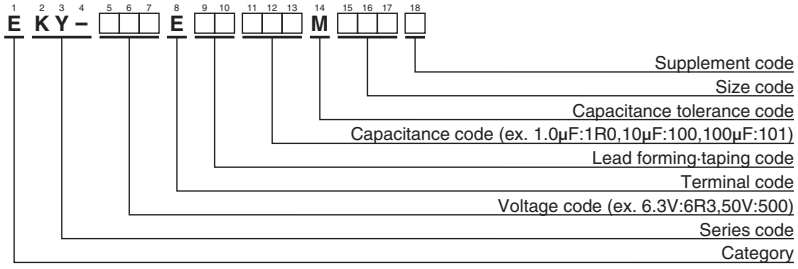
## ◆DIMENSIONS [mm]

●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)"

# KY Series

## ◆STANDARD RATINGS

| WV (Vdc) | Cap (μF) | Case size φD×L(mm) | Impedance (Ω max./100kHz) 20℃ | Impedance (Ω max./100kHz) -10℃ | Rated ripple current (mArms/105℃, 100kHz) | Part No. |
|---|---|---|---|---|---|---|
| 6.3 | 150 | 5×11 | 0.58 | 2.3 | 210 | EKY-6R3E□□151ME11D |
| | 330 | 6.3×11 | 0.22 | 0.87 | 340 | EKY-6R3E□□331MF11D |
| | 680 | 8×11.5 | 0.13 | 0.52 | 640 | EKY-6R3E□□681MHB5D |
| | 820 | 10×12.5 | 0.080 | 0.32 | 865 | EKY-6R3E□□821MJC5S |
| | 1,000 | 8×15 | 0.087 | 0.35 | 840 | EKY-6R3E□□102MH15D |
| | 1,200 | 8×20 | 0.069 | 0.27 | 1,050 | EKY-6R3E□□122MH20D |
| | 1,200 | 10×16 | 0.060 | 0.24 | 1,210 | EKY-6R3E□□122MJ16S |
| | 1,500 | 10×20 | 0.046 | 0.18 | 1,400 | EKY-6R3E□□152MJ20S |
| | 1,800 | 12.5×15 | 0.049 | 0.16 | 1,450 | EKY-6R3E□□182MK15S |
| | 2,200 | 10×25 | 0.042 | 0.17 | 1,650 | EKY-6R3E□□222MJ25S |
| | 2,700 | 10×30 | 0.031 | 0.12 | 1,910 | EKY-6R3E□□272MJ30S |
| | 2,700 | 16×15 | 0.042 | 0.12 | 1,940 | EKY-6R3E□□272ML15S |
| | 3,300 | 12.5×20 | 0.035 | 0.12 | 1,900 | EKY-6R3E□□332MK20S |
| | 3,900 | 12.5×25 | 0.027 | 0.089 | 2,230 | EKY-6R3E□□392MK25S |
| | 3,900 | 18×15 | 0.043 | 0.11 | 2,210 | EKY-6R3E□□392MM15S |
| | 4,700 | 12.5×30 | 0.024 | 0.078 | 2,650 | EKY-6R3E□□472MK30S |
| | 5,600 | 12.5×35 | 0.020 | 0.065 | 2,880 | EKY-6R3E□□562MK35S |
| | 5,600 | 16×20 | 0.027 | 0.078 | 2,530 | EKY-6R3E□□562ML20S |
| | 6,800 | 12.5×40 | 0.017 | 0.056 | 3,350 | EKY-6R3E□□682MK40S |
| | 6,800 | 16×25 | 0.021 | 0.060 | 2,930 | EKY-6R3E□□682ML25S |
| | 6,800 | 18×20 | 0.026 | 0.067 | 2,860 | EKY-6R3E□□682MM20S |
| | 8,200 | 16×31.5 | 0.017 | 0.050 | 3,450 | EKY-6R3E□□822MLN3S |
| | 10,000 | 16×35.5 | 0.015 | 0.044 | 3,610 | EKY-6R3E□□103MLP1S |
| | 10,000 | 18×25 | 0.019 | 0.049 | 3,140 | EKY-6R3E□□103MM25S |
| | 12,000 | 16×40 | 0.013 | 0.038 | 4,080 | EKY-6R3E□□123ML40S |
| | 12,000 | 18×31.5 | 0.015 | 0.040 | 4,170 | EKY-6R3E□□123MMN3S |
| | 15,000 | 18×35.5 | 0.014 | 0.038 | 4,220 | EKY-6R3E□□153MMP1S |
| | 18,000 | 18×40 | 0.012 | 0.032 | 4,280 | EKY-6R3E□□183MM40S |
| 10 | 100 | 5×11 | 0.58 | 2.3 | 210 | EKY-100E□□101ME11D |
| | 220 | 6.3×11 | 0.22 | 0.87 | 340 | EKY-100E□□221MF11D |
| | 470 | 8×11.5 | 0.13 | 0.52 | 640 | EKY-100E□□471MHB5D |
| | 680 | 8×15 | 0.087 | 0.35 | 840 | EKY-100E□□681MH15D |
| | 680 | 10×12.5 | 0.080 | 0.32 | 865 | EKY-100E□□681MJC5S |
| | 1,000 | 8×20 | 0.069 | 0.27 | 1,050 | EKY-100E□□102MH20D |
| | 1,000 | 10×16 | 0.060 | 0.24 | 1,210 | EKY-100E□□102MJ16S |
| | 1,200 | 10×20 | 0.046 | 0.18 | 1,400 | EKY-100E□□122MJ20S |
| | 1,500 | 10×25 | 0.042 | 0.17 | 1,650 | EKY-100E□□152MJ25S |
| | 1,500 | 12.5×15 | 0.049 | 0.16 | 1,450 | EKY-100E□□152MK15S |
| | 2,200 | 10×30 | 0.031 | 0.12 | 1,910 | EKY-100E□□222MJ30S |
| | 2,200 | 12.5×20 | 0.035 | 0.12 | 1,900 | EKY-100E□□222MK20S |
| | 2,200 | 16×15 | 0.042 | 0.12 | 1,940 | EKY-100E□□222ML15S |
| | 2,700 | 18×15 | 0.043 | 0.11 | 2,210 | EKY-100E□□272MM15S |
| | 3,300 | 12.5×25 | 0.027 | 0.089 | 2,230 | EKY-100E□□332MK25S |
| | 3,900 | 12.5×30 | 0.024 | 0.078 | 2,650 | EKY-100E□□392MK30S |
| | 3,900 | 16×20 | 0.027 | 0.078 | 2,530 | EKY-100E□□392ML20S |
| | 4,700 | 12.5×35 | 0.020 | 0.065 | 2,880 | EKY-100E□□472MK35S |
| | 5,600 | 12.5×40 | 0.017 | 0.056 | 3,350 | EKY-100E□□562MK40S |
| | 5,600 | 16×25 | 0.021 | 0.060 | 2,930 | EKY-100E□□562ML25S |
| | 5,600 | 18×20 | 0.026 | 0.067 | 2,860 | EKY-100E□□562MM20S |
| | 6,800 | 16×31.5 | 0.017 | 0.050 | 3,450 | EKY-100E□□682MLN3S |
| | 6,800 | 18×25 | 0.019 | 0.049 | 3,140 | EKY-100E□□682MM25S |
| | 8,200 | 16×35.5 | 0.015 | 0.044 | 3,610 | EKY-100E□□822MLP1S |
| | 8,200 | 18×31.5 | 0.015 | 0.040 | 4,170 | EKY-100E□□822MMN3S |
| | 10,000 | 16×40 | 0.013 | 0.038 | 4,080 | EKY-100E□□103ML40S |
| | 10,000 | 18×35.5 | 0.014 | 0.038 | 4,220 | EKY-100E□□103MMP1S |
| | 12,000 | 18×40 | 0.012 | 0.032 | 4,280 | EKY-100E□□123MM40S |
| 16 | 56 | 5×11 | 0.58 | 2.3 | 210 | EKY-160E□□560ME11D |
| | 120 | 6.3×11 | 0.22 | 0.87 | 340 | EKY-160E□□121MF11D |
| | 330 | 8×11.5 | 0.13 | 0.52 | 640 | EKY-160E□□331MHB5D |
| | 470 | 8×15 | 0.087 | 0.35 | 840 | EKY-160E□□471MH15D |
| | 470 | 10×12.5 | 0.080 | 0.32 | 865 | EKY-160E□□471MJC5S |
| | 680 | 8×20 | 0.069 | 0.27 | 1,050 | EKY-160E□□681MH20D |
| | 680 | 10×16 | 0.060 | 0.24 | 1,210 | EKY-160E□□681MJ16S |
| | 1,000 | 10×20 | 0.046 | 0.18 | 1,400 | EKY-160E□□102MJ20S |
| | 1,000 | 12.5×15 | 0.049 | 0.16 | 1,450 | EKY-160E□□102MK15S |
| | 1,200 | 10×25 | 0.042 | 0.17 | 1,650 | EKY-160E□□122MJ25S |
| | 1,500 | 10×30 | 0.031 | 0.12 | 1,910 | EKY-160E□□152MJ30S |
| 16 | 1,500 | 12.5×20 | 0.035 | 0.12 | 1,900 | EKY-160E□□152MK20S |
| | 1,500 | 16×15 | 0.042 | 0.12 | 1,940 | EKY-160E□□152ML15S |
| | 2,200 | 12.5×25 | 0.027 | 0.089 | 2,230 | EKY-160E□□222MK25S |
| | 2,200 | 18×15 | 0.043 | 0.11 | 2,210 | EKY-160E□□222MM15S |
| | 2,700 | 12.5×30 | 0.024 | 0.078 | 2,650 | EKY-160E□□272MK30S |
| | 2,700 | 16×20 | 0.027 | 0.078 | 2,530 | EKY-160E□□272ML20S |
| | 3,300 | 12.5×35 | 0.020 | 0.065 | 2,880 | EKY-160E□□332MK35S |
| | 3,900 | 12.5×40 | 0.017 | 0.056 | 3,350 | EKY-160E□□392MK40S |
| | 3,900 | 16×25 | 0.021 | 0.060 | 2,930 | EKY-160E□□392ML25S |
| | 3,900 | 18×20 | 0.026 | 0.067 | 2,860 | EKY-160E□□392MM20S |
| | 4,700 | 16×31.5 | 0.017 | 0.050 | 3,450 | EKY-160E□□472MLN3S |
| | 4,700 | 18×25 | 0.019 | 0.049 | 3,140 | EKY-160E□□472MM25S |
| | 5,600 | 16×35.5 | 0.015 | 0.044 | 3,610 | EKY-160E□□562MLP1S |
| | 5,600 | 18×31.5 | 0.015 | 0.040 | 4,170 | EKY-160E□□562MMN3S |
| | 6,800 | 16×40 | 0.013 | 0.038 | 4,080 | EKY-160E□□682ML40S |
| | 8,200 | 18×35.5 | 0.014 | 0.038 | 4,220 | EKY-160E□□822MMP1S |
| | 10,000 | 18×40 | 0.012 | 0.032 | 4,280 | EKY-160E□□103MM40S |
| 25 | 47 | 5×11 | 0.58 | 2.3 | 210 | EKY-250E□□470ME11D |
| | 100 | 6.3×11 | 0.22 | 0.87 | 340 | EKY-250E□□101MF11D |
| | 220 | 8×11.5 | 0.13 | 0.52 | 640 | EKY-250E□□221MHB5D |
| | 330 | 8×15 | 0.087 | 0.35 | 840 | EKY-250E□□331MH15D |
| | 330 | 10×12.5 | 0.080 | 0.32 | 865 | EKY-250E□□331MJC5S |
| | 470 | 8×20 | 0.069 | 0.27 | 1,050 | EKY-250E□□471MH20D |
| | 470 | 10×16 | 0.060 | 0.24 | 1,210 | EKY-250E□□471MJ16S |
| | 680 | 10×20 | 0.046 | 0.18 | 1,400 | EKY-250E□□681MJ20S |
| | 680 | 12.5×15 | 0.049 | 0.16 | 1,450 | EKY-250E□□681MK15S |
| | 820 | 10×25 | 0.042 | 0.17 | 1,650 | EKY-250E□□821MJ25S |
| | 1,000 | 10×30 | 0.031 | 0.12 | 1,910 | EKY-250E□□102MJ30S |
| | 1,000 | 12.5×20 | 0.035 | 0.12 | 1,900 | EKY-250E□□102MK20S |
| | 1,000 | 16×15 | 0.042 | 0.12 | 1,940 | EKY-250E□□102ML15S |
| | 1,200 | 18×15 | 0.043 | 0.11 | 2,210 | EKY-250E□□122MM15S |
| | 1,500 | 12.5×25 | 0.027 | 0.089 | 2,230 | EKY-250E□□152MK25S |
| | 1,800 | 12.5×30 | 0.024 | 0.078 | 2,650 | EKY-250E□□182MK30S |
| | 1,800 | 16×20 | 0.027 | 0.078 | 2,530 | EKY-250E□□182ML20S |
| | 2,200 | 12.5×35 | 0.020 | 0.065 | 2,880 | EKY-250E□□222MK35S |
| | 2,200 | 18×20 | 0.026 | 0.067 | 2,860 | EKY-250E□□222MM20S |
| | 2,700 | 12.5×40 | 0.017 | 0.056 | 3,350 | EKY-250E□□272MK40S |
| | 2,700 | 16×25 | 0.021 | 0.060 | 2,930 | EKY-250E□□272ML25S |
| | 3,300 | 16×31.5 | 0.017 | 0.050 | 3,450 | EKY-250E□□332MLN3S |
| | 3,300 | 18×25 | 0.019 | 0.049 | 3,140 | EKY-250E□□332MM25S |
| | 3,900 | 16×35.5 | 0.015 | 0.044 | 3,610 | EKY-250E□□392MLP1S |
| | 3,900 | 18×31.5 | 0.015 | 0.040 | 4,170 | EKY-250E□□392MMN3S |
| | 4,700 | 16×40 | 0.013 | 0.038 | 4,080 | EKY-250E□□472ML40S |
| | 4,700 | 18×35.5 | 0.014 | 0.038 | 4,220 | EKY-250E□□472MMP1S |
| | 5,600 | 18×40 | 0.012 | 0.032 | 4,280 | EKY-250E□□562MM40S |
| 35 | 33 | 5×11 | 0.58 | 2.3 | 210 | EKY-350E□□330ME11D |
| | 56 | 6.3×11 | 0.22 | 0.87 | 340 | EKY-350E□□560MF11D |
| | 150 | 8×11.5 | 0.13 | 0.52 | 640 | EKY-350E□□151MHB5D |
| | 220 | 8×15 | 0.087 | 0.35 | 840 | EKY-350E□□221MH15D |
| | 220 | 10×12.5 | 0.080 | 0.32 | 865 | EKY-350E□□221MJC5S |
| | 270 | 8×20 | 0.069 | 0.27 | 1,050 | EKY-350E□□271MH20D |
| | 330 | 10×16 | 0.060 | 0.24 | 1,210 | EKY-350E□□331MJ16S |
| | 470 | 10×20 | 0.046 | 0.18 | 1,400 | EKY-350E□□471MJ20S |
| | 470 | 12.5×15 | 0.049 | 0.16 | 1,450 | EKY-350E□□471MK15S |
| | 560 | 10×25 | 0.042 | 0.17 | 1,650 | EKY-350E□□561MJ25S |
| | 680 | 10×30 | 0.031 | 0.12 | 1,910 | EKY-350E□□681MJ30S |
| | 680 | 12.5×20 | 0.035 | 0.12 | 1,900 | EKY-350E□□681MK20S |
| | 680 | 16×15 | 0.042 | 0.12 | 1,940 | EKY-350E□□681ML15S |
| | 1,000 | 12.5×25 | 0.027 | 0.089 | 2,230 | EKY-350E□□102MK25S |
| | 1,000 | 18×15 | 0.043 | 0.11 | 2,210 | EKY-350E□□102MM15S |
| | 1,200 | 12.5×30 | 0.024 | 0.078 | 2,650 | EKY-350E□□122MK30S |
| | 1,200 | 16×20 | 0.027 | 0.078 | 2,530 | EKY-350E□□122ML20S |
| | 1,500 | 12.5×35 | 0.020 | 0.065 | 2,880 | EKY-350E□□152MK35S |
| | 1,800 | 12.5×40 | 0.017 | 0.056 | 3,350 | EKY-350E□□182MK40S |
| | 1,800 | 16×25 | 0.021 | 0.060 | 2,930 | EKY-350E□□182ML25S |
| | 1,800 | 18×20 | 0.026 | 0.067 | 2,860 | EKY-350E□□182MM20S |
| | 2,200 | 16×31.5 | 0.017 | 0.050 | 3,450 | EKY-350E□□222MLN3S |

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

# KY Series

## ◆STANDARD RATINGS

| WV (Vdc) | Cap (μF) | Case size φD×L(mm) | Impedance (Ω max./100kHz) 20℃ | Impedance (Ω max./100kHz) -10℃ | Rated ripple current (mArms/105℃, 100kHz) | Part No. |
|---|---|---|---|---|---|---|
| 35 | 2,200 | 18×25 | 0.019 | 0.049 | 3,140 | EKY-350E□□222MM25S |
| | 2,700 | 16×35.5 | 0.015 | 0.044 | 3,610 | EKY-350E□□272MLP1S |
| | 2,700 | 18×31.5 | 0.015 | 0.040 | 4,170 | EKY-350E□□272MMN3S |
| | 3,300 | 16×40 | 0.013 | 0.038 | 4,080 | EKY-350E□□332ML40S |
| | 3,300 | 18×35.5 | 0.014 | 0.038 | 4,220 | EKY-350E□□332MMP1S |
| | 3,900 | 18×40 | 0.012 | 0.032 | 4,280 | EKY-350E□□392MM40S |
| 50 | 1.0 | 5×11 | 4.0 | 16.0 | 30 | EKY-500E□□1R0ME11D |
| | 2.2 | 5×11 | 2.5 | 10.0 | 43 | EKY-500E□□2R2ME11D |
| | 3.3 | 5×11 | 2.2 | 8.8 | 53 | EKY-500E□□3R3ME11D |
| | 4.7 | 5×11 | 1.9 | 7.6 | 88 | EKY-500E□□4R7ME11D |
| | 10 | 5×11 | 1.5 | 6.0 | 100 | EKY-500E□□100ME11D |
| | 22 | 5×11 | 0.70 | 2.8 | 180 | EKY-500E□□220ME11D |
| | 56 | 6.3×11 | 0.30 | 1.2 | 295 | EKY-500E□□560MF11D |
| | 100 | 8×11.5 | 0.17 | 0.68 | 555 | EKY-500E□□101MHB5D |
| | 120 | 8×15 | 0.12 | 0.48 | 730 | EKY-500E□□121MH15D |
| | 150 | 10×12.5 | 0.12 | 0.48 | 760 | EKY-500E□□151MJC5S |
| | 180 | 8×20 | 0.091 | 0.36 | 910 | EKY-500E□□181MH20D |
| | 220 | 10×16 | 0.084 | 0.34 | 1,050 | EKY-500E□□221MJ16S |
| | 270 | 10×20 | 0.060 | 0.24 | 1,220 | EKY-500E□□271MJ20S |
| | 270 | 12.5×15 | 0.061 | 0.20 | 1,260 | EKY-500E□□271MK15S |
| | 330 | 10×25 | 0.055 | 0.22 | 1,440 | EKY-500E□□331MJ25S |
| | 470 | 10×30 | 0.043 | 0.17 | 1,690 | EKY-500E□□471MJ30S |
| | 470 | 12.5×20 | 0.045 | 0.15 | 1,660 | EKY-500E□□471MK20S |
| | 470 | 16×15 | 0.055 | 0.17 | 1,690 | EKY-500E□□471ML15S |
| | 560 | 12.5×25 | 0.034 | 0.11 | 1,950 | EKY-500E□□561MK25S |
| | 560 | 18×15 | 0.054 | 0.15 | 1,930 | EKY-500E□□561MM15S |
| | 680 | 12.5×30 | 0.030 | 0.10 | 2,310 | EKY-500E□□681MK30S |
| | 820 | 12.5×35 | 0.025 | 0.083 | 2,510 | EKY-500E□□821MK35S |
| | 820 | 16×20 | 0.034 | 0.10 | 2,210 | EKY-500E□□821ML20S |
| | 1,000 | 12.5×40 | 0.021 | 0.069 | 2,920 | EKY-500E□□102MK40S |
| | 1,000 | 16×25 | 0.025 | 0.075 | 2,555 | EKY-500E□□102ML25S |
| | 1,000 | 18×20 | 0.036 | 0.097 | 2,490 | EKY-500E□□102MM20S |
| | 1,200 | 16×31.5 | 0.022 | 0.066 | 3,010 | EKY-500E□□122MLN3S |
| | 1,200 | 18×25 | 0.026 | 0.070 | 2,740 | EKY-500E□□122MM25S |
| | 1,500 | 16×35.5 | 0.019 | 0.057 | 3,150 | EKY-500E□□152MLP1S |
| | 1,800 | 16×40 | 0.016 | 0.048 | 3,710 | EKY-500E□□182ML40S |
| | 1,800 | 18×31.5 | 0.021 | 0.057 | 3,635 | EKY-500E□□182MMN3S |
| | 2,200 | 18×35.5 | 0.017 | 0.046 | 3,680 | EKY-500E□□222MMP1S |
| | 2,700 | 18×40 | 0.014 | 0.038 | 3,800 | EKY-500E□□272MM40S |
| 63 | 15 | 5×11 | 0.88 | 3.5 | 165 | EKY-630E□□150ME11D |
| | 33 | 6.3×11 | 0.35 | 1.4 | 265 | EKY-630E□□330MF11D |
| | 56 | 8×11.5 | 0.22 | 0.88 | 500 | EKY-630E□□560MHB5D |
| | 82 | 8×15 | 0.16 | 0.64 | 665 | EKY-630E□□820MH15D |
| | 82 | 10×12.5 | 0.11 | 0.44 | 690 | EKY-630E□□820MJC5S |
| | 120 | 8×20 | 0.12 | 0.48 | 820 | EKY-630E□□121MH20D |
| | 120 | 10×16 | 0.076 | 0.31 | 950 | EKY-630E□□121MJ16S |
| | 180 | 10×20 | 0.056 | 0.23 | 1,150 | EKY-630E□□181MJ20S |
| | 180 | 12.5×16 | 0.072 | 0.29 | 1,150 | EKY-630E□□181MK16S |
| | 220 | 10×25 | 0.046 | 0.19 | 1,350 | EKY-630E□□221MJ25S |
| | 270 | 12.5×20 | 0.041 | 0.13 | 1,500 | EKY-630E□□271MK20S |
| | 390 | 12.5×25 | 0.031 | 0.093 | 1,900 | EKY-630E□□391MK25S |
| | 470 | 12.5×30 | 0.028 | 0.084 | 2,300 | EKY-630E□□471MK30S |
| | 470 | 16×20 | 0.032 | 0.096 | 2,000 | EKY-630E□□471ML20S |
| | 560 | 12.5×35 | 0.024 | 0.072 | 2,500 | EKY-630E□□561MK35S |
| | 680 | 12.5×40 | 0.021 | 0.063 | 2,800 | EKY-630E□□681MK40S |
| 63 | 680 | 16×25 | 0.025 | 0.075 | 2,600 | EKY-630E□□681ML25S |
| | 680 | 18×20 | 0.030 | 0.090 | 2,500 | EKY-630E□□681MM20S |
| | 820 | 16×31.5 | 0.021 | 0.063 | 2,850 | EKY-630E□□821MLN3S |
| | 820 | 18×25 | 0.024 | 0.072 | 2,800 | EKY-630E□□821MM25S |
| | 1,000 | 16×35.5 | 0.019 | 0.057 | 2,900 | EKY-630E□□102MLP1S |
| | 1,200 | 16×40 | 0.018 | 0.054 | 3,400 | EKY-630E□□122ML40S |
| | 1,200 | 18×31.5 | 0.020 | 0.060 | 3,300 | EKY-630E□□122MMN3S |
| | 1,500 | 18×35.5 | 0.018 | 0.054 | 3,400 | EKY-630E□□152MMP1S |
| | 1,800 | 18×40 | 0.017 | 0.051 | 3,500 | EKY-630E□□182MM40S |
| 80 | 68 | 10×12.5 | 0.17 | 0.66 | 480 | EKY-800E□□680MJC5S |
| | 100 | 10×16 | 0.11 | 0.47 | 600 | EKY-800E□□101MJ16S |
| | 120 | 10×20 | 0.084 | 0.34 | 800 | EKY-800E□□121MJ20S |
| | 150 | 10×25 | 0.069 | 0.28 | 900 | EKY-800E□□151MJ25S |
| | 150 | 12.5×16 | 0.11 | 0.34 | 750 | EKY-800E□□151MK16S |
| | 220 | 12.5×20 | 0.062 | 0.18 | 1,100 | EKY-800E□□221MK20S |
| | 330 | 12.5×25 | 0.047 | 0.14 | 1,250 | EKY-800E□□331MK25S |
| | 330 | 16×20 | 0.048 | 0.15 | 1,350 | EKY-800E□□331ML20S |
| | 390 | 12.5×30 | 0.042 | 0.13 | 1,500 | EKY-800E□□391MK30S |
| | 470 | 12.5×35 | 0.036 | 0.11 | 1,650 | EKY-800E□□471MK35S |
| | 470 | 16×25 | 0.038 | 0.12 | 1,700 | EKY-800E□□471ML25S |
| | 470 | 18×20 | 0.045 | 0.14 | 1,500 | EKY-800E□□471MM20S |
| | 560 | 12.5×40 | 0.032 | 0.095 | 1,800 | EKY-800E□□561MK40S |
| | 680 | 16×31.5 | 0.032 | 0.095 | 1,850 | EKY-800E□□681MLN3S |
| | 680 | 18×25 | 0.036 | 0.11 | 1,750 | EKY-800E□□681MM25S |
| | 820 | 16×35.5 | 0.029 | 0.086 | 2,000 | EKY-800E□□821MLP1S |
| | 820 | 18×31.5 | 0.030 | 0.090 | 1,900 | EKY-800E□□821MMN3S |
| | 1,000 | 16×40 | 0.027 | 0.081 | 2,200 | EKY-800E□□102ML40S |
| | 1,000 | 18×35.5 | 0.027 | 0.081 | 2,200 | EKY-800E□□102MMP1S |
| | 1,200 | 18×40 | 0.026 | 0.077 | 2,700 | EKY-800E□□122MM40S |
| 100 | 6.8 | 5×11 | 1.4 | 5.6 | 125 | EKY-101E□□6R8ME11D |
| | 15 | 6.3×11 | 0.57 | 2.3 | 205 | EKY-101E□□150MF11D |
| | 27 | 8×11.5 | 0.36 | 1.4 | 355 | EKY-101E□□270MHB5D |
| | 39 | 8×15 | 0.25 | 1.0 | 450 | EKY-101E□□390MH15D |
| | 47 | 10×12.5 | 0.17 | 0.66 | 480 | EKY-101E□□470MJC5S |
| | 56 | 8×20 | 0.19 | 0.76 | 565 | EKY-101E□□560MH20D |
| | 68 | 10×16 | 0.11 | 0.47 | 600 | EKY-101E□□680MJ16S |
| | 82 | 10×20 | 0.084 | 0.34 | 800 | EKY-101E□□820MJ20S |
| | 100 | 12.5×16 | 0.11 | 0.34 | 750 | EKY-101E□□101MK16S |
| | 120 | 10×25 | 0.069 | 0.28 | 900 | EKY-101E□□121MJ25S |
| | 150 | 12.5×20 | 0.062 | 0.18 | 1,100 | EKY-101E□□151MK20S |
| | 220 | 12.5×25 | 0.047 | 0.14 | 1,250 | EKY-101E□□221MK25S |
| | 220 | 16×20 | 0.048 | 0.15 | 1,350 | EKY-101E□□221ML20S |
| | 270 | 12.5×30 | 0.042 | 0.13 | 1,500 | EKY-101E□□271MK30S |
| | 330 | 12.5×35 | 0.036 | 0.11 | 1,650 | EKY-101E□□331MK35S |
| | 330 | 16×25 | 0.038 | 0.12 | 1,700 | EKY-101E□□331ML25S |
| | 330 | 18×20 | 0.045 | 0.14 | 1,500 | EKY-101E□□331MM20S |
| | 390 | 12.5×40 | 0.032 | 0.095 | 1,800 | EKY-101E□□391MK40S |
| | 470 | 16×31.5 | 0.032 | 0.095 | 1,850 | EKY-101E□□471MLN3S |
| | 470 | 18×25 | 0.036 | 0.11 | 1,750 | EKY-101E□□471MM25S |
| | 560 | 16×35.5 | 0.029 | 0.086 | 2,000 | EKY-101E□□561MLP1S |
| | 560 | 18×31.5 | 0.030 | 0.090 | 1,900 | EKY-101E□□561MMN3S |
| | 680 | 16×40 | 0.027 | 0.081 | 2,200 | EKY-101E□□681ML40S |
| | 680 | 18×35.5 | 0.027 | 0.081 | 2,200 | EKY-101E□□681MMP1S |
| | 820 | 18×40 | 0.026 | 0.077 | 2,700 | EKY-101E□□821MM40S |

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

## ◆RATED RIPPLE CURRENT MULTIPLIERS

◎Frequency Multipliers

| Capacitance(μF) \ Frequency(Hz) | 120 | 1k | 10k | 100k |
|---|---|---|---|---|
| 1.0 to 180 | 0.40 | 0.75 | 0.90 | 1.00 |
| 220 to 560 | 0.50 | 0.85 | 0.94 | 1.00 |
| 680 to 1,800 | 0.60 | 0.87 | 0.95 | 1.00 |
| 2,200 to 3,900 | 0.75 | 0.90 | 0.95 | 1.00 |
| 4,700 to | 0.85 | 0.95 | 0.98 | 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℃ rise.
When long life performance is required in actual use, the rms ripple current has to be reduced.

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