# KXJ Series

- Downsized and Longer life from current KXG series
- Endurance with ripple current : 8,000 to 12,000 hours at 105℃
- Rated voltage range : 160 to 500V, Capacitance range : 6.8 to 680μF
- For electronic ballast circuits and other long life applications
- Non solvent resistant type
- RoHS2 Compliant
- AEC-Q200 compliant : Please contact Chemi-Con for more details, test data, information.



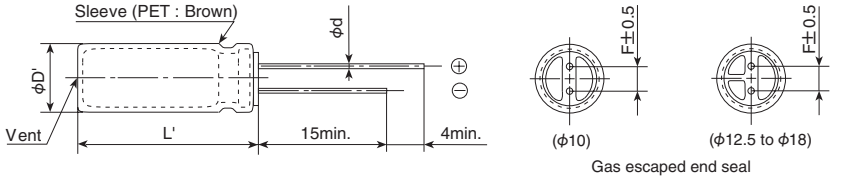



## ◆SPECIFICATIONS

| Items | Characteristics | | | | |
|---|---|---|---|---|---|
| Category Temperature Range | –40 to +105℃ (160 to 450Vdc) -25 to +105℃ (500Vdc) | | | | |
| Rated Voltage Range | 160 to 500Vdc | | | | |
| Capacitance Tolerance | ±20% (M) | | | | (at 20℃, 120Hz) |
| Leakage Current | | After 1 minute | After 5 minutes | | |
| | CV≦1000 | I=0.1CV+40 | I=0.03CV+15 | | |
| | CV>1000 | I=0.04CV+100 | I=0.02CV+25 | | |
| | Where, I : Max. leakage current (μA), C : Nominal capacitance (μF), V : Rated voltage (V) | | | | (at 20℃) |
| Dissipation Factor (tan δ ) | Rated voltage (Vdc) | 160 to 250V | 350 to 500V | | |
| | tan δ (Max.) | 0.20 | 0.24 | | (at 20℃, 120Hz) |
| Low Temperature Characteristics (Max. Impedance Ratio) | Rated voltage (Vdc) | 160 to 250V | 350, 400V | 420 to 500V | |
| | Z(−25℃)/Z(+20℃) | 3 | 5 | 6 | |
| | Z(−40℃)/Z(+20℃) | 6 | 6 | – | (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 time at 105℃. | | | | |
| | Rated voltage (Vdc) | 160 to 450V | 500V | | |
| | Time | 16L to 20L : 10,000hours, 25L to 50L : 12,000hours | φ10 : 8,000hours, φ12.5 to φ18 : 10.000hours | | |
| | 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℃ after exposing them for 1,000 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 | ≦±20% of the initial value | | | |
| | D.F. (tan δ ) | ≦200% of the initial specified value | | | |
| | Leakage current | ≦500% of the initial specified value | | | |

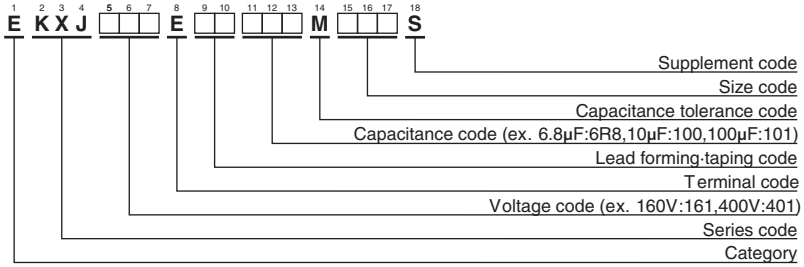
## ◆DIMENSIONS [mm]

●Terminal Code : E




| φD | 10 | 12.5 | 14.5 | 16 | 18 |
|---|---|---|---|---|---|
| φd | 0.6 | 0.6 | 0.8 | 0.8 | 0.8 |
| F | 5.0 | 5.0 | 7.5 | 7.5 | 7.5 |
| φD' | φD+0.5max. | | | | |
| L' | L+1.5max. | | | | |

## ◆PART NUMBERING SYSTEM




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

Product specifications in this catalog are subject to change without notice.Request our product specifications before purchase and/or use. Please use our products based on the information contained in this catalog and product specifications.

# KXJ Series

## ◆STANDARD RATINGS

| WV (Vdc) | Cap (μF) | Case size φD×L(mm) | tan δ | Rated ripple current (mArms/105℃, 120Hz) | Part No. |
|---|---|---|---|---|---|
| 160 | 39 | 10×16 | 0.20 | 245 | EKXJ161E□□390MJ16S |
| | 56 | 10×20 | 0.20 | 315 | EKXJ161E□□560MJ20S |
| | 82 | 10×25 | 0.20 | 415 | EKXJ161E□□820MJ25S |
| | 82 | 10×30 | 0.20 | 445 | EKXJ161E□□820MJ30S |
| | 100 | 12.5×20 | 0.20 | 575 | EKXJ161E□□101MK20S |
| | 120 | 10×35 | 0.20 | 570 | EKXJ161E□□121MJ35S |
| | 120 | 14.5×20 | 0.20 | 675 | EKXJ161E□□121MU20S |
| | 150 | 10×40 | 0.20 | 665 | EKXJ161E□□151MJ40S |
| | 150 | 10×45 | 0.20 | 695 | EKXJ161E□□151MJ45S |
| | 150 | 12.5×25 | 0.20 | 765 | EKXJ161E□□151MK25S |
| | 180 | 10×50 | 0.20 | 785 | EKXJ161E□□181MJ50S |
| | 180 | 12.5×30 | 0.20 | 885 | EKXJ161E□□181MK30S |
| | 180 | 14.5×25 | 0.20 | 890 | EKXJ161E□□181MU25S |
| | 180 | 16×20 | 0.20 | 855 | EKXJ161E□□181ML20S |
| | 220 | 12.5×35 | 0.20 | 1,040 | EKXJ161E□□221MK35S |
| | 220 | 16×25 | 0.20 | 1,020 | EKXJ161E□□221ML25S |
| | 220 | 18×20 | 0.20 | 990 | EKXJ161E□□221MM20S |
| | 270 | 12.5×40 | 0.20 | 1,190 | EKXJ161E□□271MK40S |
| | 270 | 12.5×45 | 0.20 | 1,230 | EKXJ161E□□271MK45S |
| | 270 | 14.5×31.5 | 0.20 | 1,170 | EKXJ161E□□271MUN3S |
| | 270 | 14.5×35.5 | 0.20 | 1,210 | EKXJ161E□□271MUP1S |
| | 330 | 12.5×50 | 0.20 | 1,400 | EKXJ161E□□331MK50S |
| | 330 | 14.5×40 | 0.20 | 1,385 | EKXJ161E□□331MU40S |
| | 330 | 16×31.5 | 0.20 | 1,350 | EKXJ161E□□331MLN3S |
| | 330 | 18×25 | 0.20 | 1,290 | EKXJ161E□□331MM25S |
| | 390 | 14.5×45 | 0.20 | 1,545 | EKXJ161E□□391MU45S |
| | 390 | 16×35.5 | 0.20 | 1,500 | EKXJ161E□□391MLP1S |
| | 470 | 14.5×50 | 0.20 | 1,735 | EKXJ161E□□471MU50S |
| | 470 | 16×40 | 0.20 | 1,700 | EKXJ161E□□471ML40S |
| | 470 | 16×45 | 0.20 | 1,730 | EKXJ161E□□471ML45S |
| | 470 | 18×31.5 | 0.20 | 1,660 | EKXJ161E□□471MMN3S |
| | 470 | 18×35.5 | 0.20 | 1,715 | EKXJ161E□□471MMP1S |
| | 560 | 16×50 | 0.20 | 1,920 | EKXJ161E□□561ML50S |
| | 560 | 18×40 | 0.20 | 1,905 | EKXJ161E□□561MM40S |
| | 680 | 18×45 | 0.20 | 2,130 | EKXJ161E□□681MM45S |
| | 680 | 18×50 | 0.20 | 2,145 | EKXJ161E□□681MM50S |
| 200 | 27 | 10×16 | 0.20 | 200 | EKXJ201E□□270MJ16S |
| | 47 | 10×20 | 0.20 | 290 | EKXJ201E□□470MJ20S |
| | 56 | 10×25 | 0.20 | 345 | EKXJ201E□□560MJ25S |
| | 68 | 10×30 | 0.20 | 405 | EKXJ201E□□680MJ30S |
| | 82 | 12.5×20 | 0.20 | 520 | EKXJ201E□□820MK20S |
| | 100 | 10×35 | 0.20 | 520 | EKXJ201E□□101MJ35S |
| | 100 | 12.5×25 | 0.20 | 625 | EKXJ201E□□101MK25S |
| | 100 | 14.5×20 | 0.20 | 615 | EKXJ201E□□101MU20S |
| | 120 | 10×40 | 0.20 | 595 | EKXJ201E□□121MJ40S |
| | 120 | 10×45 | 0.20 | 620 | EKXJ201E□□121MJ45S |
| | 120 | 12.5×30 | 0.20 | 725 | EKXJ201E□□121MK30S |
| | 120 | 16×20 | 0.20 | 695 | EKXJ201E□□121ML20S |
| | 150 | 10×50 | 0.20 | 720 | EKXJ201E□□151MJ50S |
| | 150 | 12.5×35 | 0.20 | 860 | EKXJ201E□□151MK35S |
| | 150 | 14.5×25 | 0.20 | 810 | EKXJ201E□□151MU25S |
| | 180 | 14.5×31.5 | 0.20 | 955 | EKXJ201E□□181MUN3S |
| | 180 | 16×25 | 0.20 | 925 | EKXJ201E□□181ML25S |
| | 180 | 18×20 | 0.20 | 895 | EKXJ201E□□181MM20S |
| | 220 | 12.5×40 | 0.20 | 1,075 | EKXJ201E□□221MK40S |
| | 220 | 12.5×45 | 0.20 | 1,110 | EKXJ201E□□221MK45S |
| | 220 | 14.5×35.5 | 0.20 | 1,095 | EKXJ201E□□221MUP1S |
| | 220 | 18×25 | 0.20 | 1,050 | EKXJ201E□□221MM25S |
| | 270 | 12.5×50 | 0.20 | 1,265 | EKXJ201E□□271MK50S |
| | 270 | 14.5×40 | 0.20 | 1,250 | EKXJ201E□□271MU40S |
| | 270 | 14.5×45 | 0.20 | 1,290 | EKXJ201E□□271MU45S |
| | 270 | 16×31.5 | 0.20 | 1,220 | EKXJ201E□□271MLN3S |
| | 270 | 16×35.5 | 0.20 | 1,250 | EKXJ201E□□271MLP1S |
| | 330 | 14.5×50 | 0.20 | 1,450 | EKXJ201E□□331MU50S |
| | 330 | 16×40 | 0.20 | 1,425 | EKXJ201E□□331ML40S |
| | 330 | 18×31.5 | 0.20 | 1,395 | EKXJ201E□□331MMN3S |
| | 390 | 16×45 | 0.20 | 1,575 | EKXJ201E□□391ML45S |
| | 390 | 18×35.5 | 0.20 | 1,565 | EKXJ201E□□391MMP1S |
| | 470 | 16×50 | 0.20 | 1,755 | EKXJ201E□□471ML50S |
| | 470 | 18×40 | 0.20 | 1,745 | EKXJ201E□□471MM40S |
| | 470 | 18×45 | 0.20 | 1,770 | EKXJ201E□□471MM45S |
| | 560 | 18×50 | 0.20 | 1,945 | EKXJ201E□□561MM50S |

| WV (Vdc) | Cap (μF) | Case size φD×L(mm) | tan δ | Rated ripple current (mArms/105℃, 120Hz) | Part No. |
|---|---|---|---|---|---|
| 220 | 27 | 10×16 | 0.20 | 200 | EKXJ221E□□270MJ16S |
| | 39 | 10×20 | 0.20 | 265 | EKXJ221E□□390MJ20S |
| | 56 | 10×25 | 0.20 | 345 | EKXJ221E□□560MJ25S |
| | 56 | 10×30 | 0.20 | 370 | EKXJ221E□□560MJ30S |
| | 68 | 12.5×20 | 0.20 | 475 | EKXJ221E□□680MK20S |
| | 82 | 10×35 | 0.20 | 470 | EKXJ221E□□820MJ35S |
| | 82 | 14.5×20 | 0.20 | 555 | EKXJ221E□□820MU20S |
| | 100 | 10×40 | 0.20 | 545 | EKXJ221E□□101MJ40S |
| | 100 | 10×45 | 0.20 | 565 | EKXJ221E□□101MJ45S |
| | 100 | 12.5×25 | 0.20 | 625 | EKXJ221E□□101MK25S |
| | 120 | 10×50 | 0.20 | 645 | EKXJ221E□□121MJ50S |
| | 120 | 12.5×30 | 0.20 | 725 | EKXJ221E□□121MK30S |
| | 120 | 14.5×25 | 0.20 | 725 | EKXJ221E□□121MU25S |
| | 120 | 16×20 | 0.20 | 695 | EKXJ221E□□121ML20S |
| | 150 | 12.5×35 | 0.20 | 860 | EKXJ221E□□151MK35S |
| | 150 | 16×25 | 0.20 | 845 | EKXJ221E□□151ML25S |
| | 150 | 18×20 | 0.20 | 815 | EKXJ221E□□151MM20S |
| | 180 | 12.5×40 | 0.20 | 975 | EKXJ221E□□181MK40S |
| | 180 | 12.5×45 | 0.20 | 1,005 | EKXJ221E□□181MK45S |
| | 180 | 14.5×31.5 | 0.20 | 955 | EKXJ221E□□181MUN3S |
| | 220 | 12.5×50 | 0.20 | 1,145 | EKXJ221E□□221MK50S |
| | 220 | 14.5×35.5 | 0.20 | 1,095 | EKXJ221E□□221MUP1S |
| | 220 | 14.5×40 | 0.20 | 1,130 | EKXJ221E□□221MU40S |
| | 220 | 16×31.5 | 0.20 | 1,100 | EKXJ221E□□221MLN3S |
| | 220 | 18×25 | 0.20 | 1,050 | EKXJ221E□□221MM25S |
| | 270 | 14.5×45 | 0.20 | 1,285 | EKXJ221E□□271MU45S |
| | 270 | 14.5×50 | 0.20 | 1,315 | EKXJ221E□□271MU50S |
| | 270 | 16×35.5 | 0.20 | 1,245 | EKXJ221E□□271MLP1S |
| | 270 | 18×31.5 | 0.20 | 1,260 | EKXJ221E□□271MMN3S |
| | 330 | 16×40 | 0.20 | 1,425 | EKXJ221E□□331ML40S |
| | 330 | 16×45 | 0.20 | 1,450 | EKXJ221E□□331ML45S |
| | 330 | 18×35.5 | 0.20 | 1,440 | EKXJ221E□□331MMP1S |
| | 390 | 16×50 | 0.20 | 1,600 | EKXJ221E□□391ML50S |
| | 390 | 18×40 | 0.20 | 1,590 | EKXJ221E□□391MM40S |
| | 390 | 18×45 | 0.20 | 1,620 | EKXJ221E□□391MM45S |
| | 470 | 18×50 | 0.20 | 1,785 | EKXJ221E□□471MM50S |
| 250 | 22 | 10×16 | 0.20 | 185 | EKXJ251E□□220MJ16S |
| | 33 | 10×20 | 0.20 | 240 | EKXJ251E□□330MJ20S |
| | 47 | 10×25 | 0.20 | 315 | EKXJ251E□□470MJ25S |
| | 47 | 10×30 | 0.20 | 340 | EKXJ251E□□470MJ30S |
| | 56 | 12.5×20 | 0.20 | 430 | EKXJ251E□□560MK20S |
| | 68 | 10×35 | 0.20 | 430 | EKXJ251E□□680MJ35S |
| | 68 | 14.5×20 | 0.20 | 505 | EKXJ251E□□680MU20S |
| | 82 | 10×40 | 0.20 | 495 | EKXJ251E□□820MJ40S |
| | 82 | 10×45 | 0.20 | 515 | EKXJ251E□□820MJ45S |
| | 82 | 12.5×25 | 0.20 | 565 | EKXJ251E□□820MK25S |
| | 100 | 10×50 | 0.20 | 585 | EKXJ251E□□101MJ50S |
| | 100 | 12.5×30 | 0.20 | 660 | EKXJ251E□□101MK30S |
| | 100 | 14.5×25 | 0.20 | 665 | EKXJ251E□□101MU25S |
| | 100 | 16×20 | 0.20 | 635 | EKXJ251E□□101ML20S |
| | 120 | 12.5×35 | 0.20 | 770 | EKXJ251E□□121MK35S |
| | 120 | 16×25 | 0.20 | 755 | EKXJ251E□□121ML25S |
| | 120 | 18×20 | 0.20 | 730 | EKXJ251E□□121MM20S |
| | 150 | 12.5×40 | 0.20 | 890 | EKXJ251E□□151MK40S |
| | 150 | 12.5×45 | 0.20 | 920 | EKXJ251E□□151MK45S |
| | 150 | 14.5×31.5 | 0.20 | 870 | EKXJ251E□□151MUN3S |
| | 180 | 12.5×50 | 0.20 | 1,035 | EKXJ251E□□181MK50S |
| | 180 | 14.5×35.5 | 0.20 | 990 | EKXJ251E□□181MUP1S |
| | 180 | 14.5×40 | 0.20 | 1,020 | EKXJ251E□□181MU40S |
| | 180 | 16×31.5 | 0.20 | 995 | EKXJ251E□□181MLN3S |
| | 180 | 18×25 | 0.20 | 950 | EKXJ251E□□181MM25S |
| | 220 | 14.5×45 | 0.20 | 1,160 | EKXJ251E□□221MU45S |
| | 220 | 14.5×50 | 0.20 | 1,185 | EKXJ251E□□221MU50S |
| | 220 | 16×35.5 | 0.20 | 1,125 | EKXJ251E□□221MLP1S |
| | 220 | 18×31.5 | 0.20 | 1,135 | EKXJ251E□□221MMN3S |
| | 270 | 16×40 | 0.20 | 1,285 | EKXJ251E□□271ML40S |
| | 270 | 16×45 | 0.20 | 1,310 | EKXJ251E□□271ML45S |
| | 270 | 18×35.5 | 0.20 | 1,300 | EKXJ251E□□271MMP1S |
| | 330 | 16×50 | 0.20 | 1,475 | EKXJ251E□□331ML50S |
| | 330 | 18×40 | 0.20 | 1,460 | EKXJ251E□□331MM40S |
| | 330 | 18×45 | 0.20 | 1,485 | EKXJ251E□□331MM45S |
| | 390 | 18×50 | 0.20 | 1,625 | EKXJ251E□□391MM50S |

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

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# KXJ Series

## ◆STANDARD RATINGS

| WV (Vdc) | Cap (μF) | Case size φD×L(mm) | tan δ | Rated ripple current (mArms/105℃, 120Hz) | Part No. |
|---|---|---|---|---|---|
| 350 | 12 | 10×16 | 0.24 | 135 | EKXJ351E□□120MJ16S |
| | 22 | 10×20 | 0.24 | 200 | EKXJ351E□□220MJ20S |
| | 27 | 10×25 | 0.24 | 240 | EKXJ351E□□270MJ25S |
| | 27 | 10×30 | 0.24 | 255 | EKXJ351E□□270MJ30S |
| | 33 | 12.5×20 | 0.24 | 330 | EKXJ351E□□330MK20S |
| | 39 | 10×35 | 0.24 | 325 | EKXJ351E□□390MJ35S |
| | 47 | 10×40 | 0.24 | 375 | EKXJ351E□□470MJ40S |
| | 47 | 12.5×25 | 0.24 | 425 | EKXJ351E□□470MK25S |
| | 47 | 14.5×20 | 0.24 | 420 | EKXJ351E□□470MU20S |
| | 56 | 10×45 | 0.24 | 425 | EKXJ351E□□560MJ45S |
| | 56 | 12.5×30 | 0.24 | 495 | EKXJ351E□□560MK30S |
| | 56 | 16×20 | 0.24 | 475 | EKXJ351E□□560ML20S |
| | 68 | 10×50 | 0.24 | 485 | EKXJ351E□□680MJ50S |
| | 68 | 12.5×35 | 0.24 | 580 | EKXJ351E□□680MK35S |
| | 68 | 14.5×25 | 0.24 | 545 | EKXJ351E□□680MU25S |
| | 68 | 18×20 | 0.24 | 550 | EKXJ351E□□680MM20S |
| | 82 | 12.5×40 | 0.24 | 655 | EKXJ351E□□820MK40S |
| | 82 | 14.5×31.5 | 0.24 | 645 | EKXJ351E□□820MUN3S |
| | 82 | 16×25 | 0.24 | 625 | EKXJ351E□□820ML25S |
| | 100 | 12.5×45 | 0.24 | 750 | EKXJ351E□□101MK45S |
| | 100 | 12.5×50 | 0.24 | 770 | EKXJ351E□□101MK50S |
| | 100 | 14.5×35.5 | 0.24 | 740 | EKXJ351E□□101MUP1S |
| | 100 | 16×31.5 | 0.24 | 740 | EKXJ351E□□101MLN3S |
| | 100 | 18×25 | 0.24 | 710 | EKXJ351E□□101MM25S |
| | 120 | 14.5×40 | 0.24 | 835 | EKXJ351E□□121MU40S |
| | 120 | 14.5×45 | 0.24 | 860 | EKXJ351E□□121MU45S |
| | 120 | 16×35.5 | 0.24 | 830 | EKXJ351E□□121MLP1S |
| | 150 | 14.5×50 | 0.24 | 980 | EKXJ351E□□151MU50S |
| | 150 | 16×40 | 0.24 | 960 | EKXJ351E□□151ML40S |
| | 150 | 16×45 | 0.24 | 975 | EKXJ351E□□151ML45S |
| | 150 | 18×31.5 | 0.24 | 940 | EKXJ351E□□151MMN3S |
| | 180 | 16×50 | 0.24 | 1,090 | EKXJ351E□□181ML50S |
| | 180 | 18×35.5 | 0.24 | 1,065 | EKXJ351E□□181MMP1S |
| | 180 | 18×40 | 0.24 | 1,080 | EKXJ351E□□181MM40S |
| | 220 | 18×45 | 0.24 | 1,210 | EKXJ351E□□221MM45S |
| | 220 | 18×50 | 0.24 | 1,220 | EKXJ351E□□221MM50S |
| 400 | 10 | 10×16 | 0.24 | 125 | EKXJ401E□□100MJ16S |
| | 18 | 10×20 | 0.24 | 180 | EKXJ401E□□180MJ20S |
| | 22 | 10×25 | 0.24 | 215 | EKXJ401E□□220MJ25S |
| | 27 | 10×30 | 0.24 | 255 | EKXJ401E□□270MJ30S |
| | 27 | 12.5×20 | 0.24 | 300 | EKXJ401E□□270MK20S |
| | 33 | 10×35 | 0.24 | 300 | EKXJ401E□□330MJ35S |
| | 39 | 10×40 | 0.24 | 340 | EKXJ401E□□390MJ40S |
| | 39 | 10×45 | 0.24 | 355 | EKXJ401E□□390MJ45S |
| | 39 | 12.5×25 | 0.24 | 390 | EKXJ401E□□390MK25S |
| | 39 | 14.5×20 | 0.24 | 385 | EKXJ401E□□390MU20S |
| | 47 | 12.5×30 | 0.24 | 455 | EKXJ401E□□470MK30S |
| | 47 | 16×20 | 0.24 | 435 | EKXJ401E□□470ML20S |
| | 56 | 10×50 | 0.24 | 440 | EKXJ401E□□560MJ50S |
| | 56 | 12.5×35 | 0.24 | 525 | EKXJ401E□□560MK35S |
| | 56 | 14.5×25 | 0.24 | 495 | EKXJ401E□□560MU25S |
| | 56 | 18×20 | 0.24 | 500 | EKXJ401E□□560MM20S |
| | 68 | 12.5×40 | 0.24 | 600 | EKXJ401E□□680MK40S |
| | 68 | 14.5×31.5 | 0.24 | 585 | EKXJ401E□□680MUN3S |
| | 68 | 16×25 | 0.24 | 570 | EKXJ401E□□680ML25S |
| | 82 | 12.5×45 | 0.24 | 680 | EKXJ401E□□820MK45S |
| | 82 | 12.5×50 | 0.24 | 700 | EKXJ401E□□820MK50S |
| | 82 | 14.5×35.5 | 0.24 | 670 | EKXJ401E□□820MUP1S |
| | 82 | 16×31.5 | 0.24 | 670 | EKXJ401E□□820MLN3S |
| | 82 | 18×25 | 0.24 | 640 | EKXJ401E□□820MM25S |
| | 100 | 14.5×40 | 0.24 | 760 | EKXJ401E□□101MU40S |
| | 100 | 14.5×45 | 0.24 | 785 | EKXJ401E□□101MU45S |
| | 100 | 16×35.5 | 0.24 | 760 | EKXJ401E□□101MLP1S |
| | 120 | 14.5×50 | 0.24 | 875 | EKXJ401E□□121MU50S |
| | 120 | 16×40 | 0.24 | 860 | EKXJ401E□□121ML40S |
| | 120 | 16×45 | 0.24 | 875 | EKXJ401E□□121ML45S |
| | 120 | 18×31.5 | 0.24 | 840 | EKXJ401E□□121MMN3S |
| | 120 | 18×35.5 | 0.24 | 870 | EKXJ401E□□121MMP1S |
| | 150 | 16×50 | 0.24 | 995 | EKXJ401E□□151ML50S |
| | 150 | 18×40 | 0.24 | 985 | EKXJ401E□□151MM40S |
| | 180 | 18×45 | 0.24 | 1,095 | EKXJ401E□□181MM45S |
| | 220 | 18×50 | 0.24 | 1,220 | EKXJ401E□□221MM50S |

| WV (Vdc) | Cap (μF) | Case size φD×L(mm) | tan δ | Rated ripple current (mArms/105℃, 120Hz) | Part No. |
|---|---|---|---|---|---|
| 420 | 6.8 | 10×16 | 0.24 | 105 | EKXJ421E□□6R8MJ16S |
| | 12 | 10×20 | 0.24 | 150 | EKXJ421E□□120MJ20S |
| | 15 | 10×25 | 0.24 | 185 | EKXJ421E□□150MJ25S |
| | 18 | 10×30 | 0.24 | 215 | EKXJ421E□□180MJ30S |
| | 22 | 12.5×20 | 0.24 | 285 | EKXJ421E□□220MK20S |
| | 27 | 10×35 | 0.24 | 275 | EKXJ421E□□270MJ35S |
| | 27 | 10×40 | 0.24 | 290 | EKXJ421E□□270MJ40S |
| | 27 | 12.5×25 | 0.24 | 340 | EKXJ421E□□270MK25S |
| | 27 | 14.5×20 | 0.24 | 335 | EKXJ421E□□270MU20S |
| | 33 | 10×45 | 0.24 | 335 | EKXJ421E□□330MJ45S |
| | 33 | 12.5×30 | 0.24 | 400 | EKXJ421E□□330MK30S |
| | 33 | 16×20 | 0.24 | 385 | EKXJ421E□□330ML20S |
| | 39 | 10×50 | 0.24 | 375 | EKXJ421E□□390MJ50S |
| | 39 | 14.5×25 | 0.24 | 435 | EKXJ421E□□390MU25S |
| | 47 | 12.5×35 | 0.24 | 505 | EKXJ421E□□470MK35S |
| | 47 | 16×25 | 0.24 | 500 | EKXJ421E□□470ML25S |
| | 47 | 18×20 | 0.24 | 480 | EKXJ421E□□470MM20S |
| | 56 | 12.5×40 | 0.24 | 570 | EKXJ421E□□560MK40S |
| | 56 | 12.5×45 | 0.24 | 590 | EKXJ421E□□560MK45S |
| | 56 | 14.5×31.5 | 0.24 | 560 | EKXJ421E□□560MUN3S |
| | 68 | 12.5×50 | 0.24 | 670 | EKXJ421E□□680MK50S |
| | 68 | 14.5×35.5 | 0.24 | 640 | EKXJ421E□□680MUP1S |
| | 68 | 14.5×40 | 0.24 | 660 | EKXJ421E□□680MU40S |
| | 68 | 16×31.5 | 0.24 | 645 | EKXJ421E□□680MLN3S |
| | 68 | 18×25 | 0.24 | 615 | EKXJ421E□□680MM25S |
| | 82 | 14.5×45 | 0.24 | 750 | EKXJ421E□□820MU45S |
| | 82 | 16×35.5 | 0.24 | 725 | EKXJ421E□□820MLP1S |
| | 82 | 18×31.5 | 0.24 | 730 | EKXJ421E□□820MMN3S |
| | 100 | 14.5×50 | 0.24 | 845 | EKXJ421E□□101MU50S |
| | 100 | 16×40 | 0.24 | 825 | EKXJ421E□□101ML40S |
| | 100 | 16×45 | 0.24 | 840 | EKXJ421E□□101ML45S |
| | 100 | 18×35.5 | 0.24 | 835 | EKXJ421E□□101MMP1S |
| | 120 | 16×50 | 0.24 | 935 | EKXJ421E□□121ML50S |
| | 120 | 18×40 | 0.24 | 930 | EKXJ421E□□121MM40S |
| | 120 | 18×45 | 0.24 | 945 | EKXJ421E□□121MM45S |
| | 150 | 18×50 | 0.24 | 1,060 | EKXJ421E□□151MM50S |
| 450 | 6.8 | 10×16 | 0.24 | 105 | EKXJ451E□□6R8MJ16S |
| | 12 | 10×20 | 0.24 | 150 | EKXJ451E□□120MJ20S |
| | 15 | 10×25 | 0.24 | 185 | EKXJ451E□□150MJ25S |
| | 18 | 10×30 | 0.24 | 215 | EKXJ451E□□180MJ30S |
| | 18 | 12.5×20 | 0.24 | 255 | EKXJ451E□□180MK20S |
| | 22 | 10×35 | 0.24 | 250 | EKXJ451E□□220MJ35S |
| | 27 | 10×40 | 0.24 | 290 | EKXJ451E□□270MJ40S |
| | 27 | 10×45 | 0.24 | 305 | EKXJ451E□□270MJ45S |
| | 27 | 12.5×25 | 0.24 | 340 | EKXJ451E□□270MK25S |
| | 27 | 14.5×20 | 0.24 | 335 | EKXJ451E□□270MU20S |
| | 33 | 12.5×30 | 0.24 | 400 | EKXJ451E□□330MK30S |
| | 33 | 14.5×25 | 0.24 | 400 | EKXJ451E□□330MU25S |
| | 33 | 16×20 | 0.24 | 385 | EKXJ451E□□330ML20S |
| | 39 | 10×50 | 0.24 | 375 | EKXJ451E□□390MJ50S |
| | 39 | 12.5×35 | 0.24 | 460 | EKXJ451E□□390MK35S |
| | 39 | 18×20 | 0.24 | 440 | EKXJ451E□□390MM20S |
| | 47 | 12.5×40 | 0.24 | 525 | EKXJ451E□□470MK40S |
| | 47 | 14.5×31.5 | 0.24 | 515 | EKXJ451E□□470MUN3S |
| | 47 | 16×25 | 0.24 | 500 | EKXJ451E□□470ML25S |
| | 56 | 12.5×45 | 0.24 | 590 | EKXJ451E□□560MK45S |
| | 56 | 14.5×35.5 | 0.24 | 580 | EKXJ451E□□560MUP1S |
| | 56 | 16×31.5 | 0.24 | 585 | EKXJ451E□□560MLN3S |
| | 56 | 18×25 | 0.24 | 560 | EKXJ451E□□560MM25S |
| | 68 | 12.5×50 | 0.24 | 670 | EKXJ451E□□680MK50S |
| | 68 | 14.5×40 | 0.24 | 660 | EKXJ451E□□680MU40S |
| | 68 | 14.5×45 | 0.24 | 680 | EKXJ451E□□680MU45S |
| | 68 | 16×35.5 | 0.24 | 660 | EKXJ451E□□680MLP1S |
| | 82 | 14.5×50 | 0.24 | 765 | EKXJ451E□□820MU50S |
| | 82 | 16×40 | 0.24 | 750 | EKXJ451E□□820ML40S |
| | 82 | 16×45 | 0.24 | 760 | EKXJ451E□□820ML45S |
| | 82 | 18×31.5 | 0.24 | 730 | EKXJ451E□□820MMN3S |
| | 100 | 16×50 | 0.24 | 855 | EKXJ451E□□101ML50S |
| | 100 | 18×35.5 | 0.24 | 835 | EKXJ451E□□101MMP1S |
| | 120 | 18×40 | 0.24 | 930 | EKXJ451E□□121MM40S |
| | 120 | 18×45 | 0.24 | 945 | EKXJ451E□□121MM45S |
| | 150 | 18×50 | 0.24 | 1,060 | EKXJ451E□□151MM50S |

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

Product specifications in this catalog are subject to change without notice.Request our product specifications before purchase and/or use. Please use our products based on the information contained in this catalog and product specifications.

# KXJ Series

## ◆STANDARD RATINGS

| WV ($V_{dc}$) | Cap (μF) | Case size φD×L(mm) | tan δ | Rated ripple current (mArms/105℃, 120Hz) | Part No. |
|---|---|---|---|---|---|
| 500 | 6.8 | 10×20 | 0.24 | 90 | EKXJ501E□□6R8MJ20S |
| | 8.2 | 10×25 | 0.24 | 110 | EKXJ501E□□8R2MJ25S |
| | 10 | 10×30 | 0.24 | 130 | EKXJ501E□□100MJ30S |
| | 12 | 12.5×20 | 0.24 | 135 | EKXJ501E□□120MK20S |
| | 15 | 10×35 | 0.24 | 170 | EKXJ501E□□150MJ35S |
| | 15 | 10×40 | 0.24 | 175 | EKXJ501E□□150MJ40S |
| | 15 | 12.5×25 | 0.24 | 165 | EKXJ501E□□150MK25S |
| | 18 | 10×45 | 0.24 | 190 | EKXJ501E□□180MJ45S |
| | 18 | 12.5×30 | 0.24 | 190 | EKXJ501E□□180MK30S |
| | 22 | 10×50 | 0.24 | 230 | EKXJ501E□□220MJ50S |
| | 22 | 12.5×35 | 0.24 | 220 | EKXJ501E□□220MK35S |
| | 27 | 12.5×40 | 0.24 | 260 | EKXJ501E□□270MK40S |
| | 33 | 12.5×45 | 0.24 | 285 | EKXJ501E□□330MK45S |
| | 39 | 12.5×50 | 0.24 | 330 | EKXJ501E□□390MK50S |

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

## ◆RATED RIPPLE CURRENT MULTIPLIERS

●Frequency Multipliers

(160 to 450$V_{dc}$)

| Capacitance(μF) \ Frequency(Hz) | 120 | 1k | 10k | 100k |
|---|---|---|---|---|
| 6.8 to 82 | 1.00 | 1.75 | 2.25 | 2.50 |
| 100 to 680 | 1.00 | 1.67 | 2.05 | 2.25 |

(500$V_{dc}$)

| Capacitance(μF) \ Frequency(Hz) | 120 | 1k | 10k | 100k |
|---|---|---|---|---|
| 6.8 to 22 | 1.00 | 1.78 | 2.30 | 2.59 |
| 27 to 39 | 1.00 | 1.75 | 2.25 | 2.50 |

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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