# KZN New! Series

- Adoption of innovative high stability electrolyte
- High ripple current and long endurance
- Rated voltage range : 6.3 to 100Vdc, Capacitance range : 8.2 to 22,000μF
- Endurance with ripple current : 6,000 to 10,000 hours at 105℃
- Non solvent resistant type
- **RoHS Compliant**

KZN
↑ Higher ripple
KZM P139

## ◆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 (tanδ)** | Rated voltage (Vdc) 6.3V 10V 16V 25V 35V 50V 63V 80V 100V<br>tanδ (Max.) 0.22 0.19 0.16 0.14 0.12 0.10 0.09 0.09 0.08<br>When nominal capacitance exceeds 1,000μF, add 0.02 to the value above for each 1,000μF increase. (at 20℃, 120Hz) |
| **Low Temperature Characteristics** | Z(−25℃)/Z(+20℃) 2 max.<br>Z(−40℃)/Z(+20℃) 3 max. (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℃. |

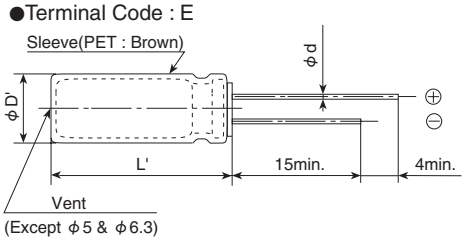
| Time | Case size | φ5 & φ6.3 | φ8×11.5L | φ10×12.5L | φ8×15L, 20L | φ10×16L, 20L, 25L φ12.5 to φ18 |
|---|---|---|---|---|---|---|
| | 6.3Vdc | 6,000 hours | 8,000 hours | 9,000 hours | 9,000 hours | 10,000 hours |
| | 10 to 50Vdc | 7,000 hours | 9,000 hours | 9,000 hours | 10,000 hours | 10,000 hours |
| | 63 to 100Vdc | 6,000 hours | 8,000 hours | 9,000 hours | 9,000 hours | 10,000 hours |

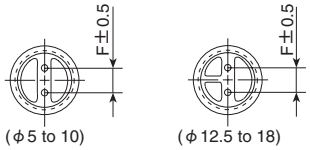
| | |
|---|---|
| Capacitance change | ≦±25% of the initial value (6.3, 10Vdc : ≦±30%) |
| D.F. (tanδ) | ≦200% of the initial specified value |
| Leakage current | ≦The initial specified value |

| | |
|---|---|
| **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 (6.3, 10Vdc : ≦±30%) |
| D.F. (tanδ) | ≦200% of the initial specified value |
| Leakage current | ≦The initial specified value |

## ◆DIMENSIONS [mm]

●Terminal Code : E




Gas escape end seal

| 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 |
| D' | φD+0.5max. | | | | | | |
| L' | L+1.5max. | | | | | | |

## ◆PART NUMBERING SYSTEM

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| E | K | Z | N | | | | E | | | | | | M | | | | |

Supplement code
Size code
Capacitance tolerance code
Capacitance code (ex. 100μF:101, 3,900μF:392)
Lead forming·taping code
Terminal code
Voltage code (ex. 16V:160 50V:500)
Series code
Category

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.

KZN New! Series

## ◆STANDARD RATINGS

| WV (Vdc) | Cap (μF) | Case size φD×L(mm) | Impedance (Ωmax/100kHz) 20℃ | Impedance (Ωmax/100kHz) -10℃ | Rated ripple current (mArms/105℃, 100kHz) | Part No. |
|---|---|---|---|---|---|---|
| 6.3 | 220 | 5×11 | 0.38 | 1.2 | 345 | EKZN6R3E□□221ME11D |
| | 470 | 6.3×11 | 0.17 | 0.51 | 540 | EKZN6R3E□□471MF11D |
| | 820 | 8×11.5 | 0.075 | 0.23 | 945 | EKZN6R3E□□821MHB5D |
| | 1,200 | 8×15 | 0.059 | 0.18 | 1,250 | EKZN6R3E□□122MH15D |
| | 1,200 | 10×12.5 | 0.053 | 0.16 | 1,330 | EKZN6R3E□□122MJC5S |
| | 1,500 | 8×20 | 0.041 | 0.13 | 1,500 | EKZN6R3E□□152MH20D |
| | 1,800 | 10×16 | 0.038 | 0.12 | 1,760 | EKZN6R3E□□182MJ16S |
| | 2,700 | 10×20 | 0.028 | 0.084 | 1,960 | EKZN6R3E□□272MJ20S |
| | 2,700 | 12.5×16 | 0.035 | 0.11 | 1,900 | EKZN6R3E□□272MK16S |
| | 3,300 | 10×25 | 0.026 | 0.072 | 2,250 | EKZN6R3E□□332MJ25S |
| | 3,900 | 12.5×20 | 0.025 | 0.075 | 2,480 | EKZN6R3E□□392MK20S |
| | 5,600 | 12.5×25 | 0.019 | 0.057 | 2,900 | EKZN6R3E□□562MK25S |
| | 6,800 | 12.5×30 | 0.018 | 0.054 | 3,450 | EKZN6R3E□□682MK30S |
| | 6,800 | 16×20 | 0.021 | 0.063 | 3,250 | EKZN6R3E□□682ML20S |
| | 8,200 | 12.5×35 | 0.016 | 0.048 | 3,570 | EKZN6R3E□□822MK35S |
| | 8,200 | 18×20 | 0.020 | 0.060 | 3,450 | EKZN6R3E□□822MM20S |
| | 10,000 | 16×25 | 0.017 | 0.051 | 3,630 | EKZN6R3E□□103ML25S |
| | 12,000 | 16×31.5 | 0.016 | 0.048 | 4,100 | EKZN6R3E□□123MLN3S |
| | 12,000 | 18×25 | 0.016 | 0.048 | 3,880 | EKZN6R3E□□123MM25S |
| | 15,000 | 16×35.5 | 0.014 | 0.042 | 4,280 | EKZN6R3E□□153MLP1S |
| | 15,000 | 18×31.5 | 0.014 | 0.042 | 4,190 | EKZN6R3E□□153MMN3S |
| | 18,000 | 16×40 | 0.013 | 0.039 | 4,580 | EKZN6R3E□□183ML40S |
| | 18,000 | 18×35.5 | 0.012 | 0.036 | 4,380 | EKZN6R3E□□183MMP1S |
| | 22,000 | 18×40 | 0.011 | 0.033 | 4,960 | EKZN6R3E□□223MM40S |
| 10 | 150 | 5×11 | 0.38 | 1.2 | 450 | EKZN100E□□151ME11D |
| | 330 | 6.3×11 | 0.17 | 0.51 | 700 | EKZN100E□□331MF11D |
| | 560 | 8×11.5 | 0.075 | 0.23 | 1,200 | EKZN100E□□561MHB5D |
| | 820 | 8×15 | 0.059 | 0.18 | 1,600 | EKZN100E□□821MH15D |
| | 1,000 | 8×20 | 0.041 | 0.13 | 1,960 | EKZN100E□□102MH20D |
| | 1,000 | 10×12.5 | 0.053 | 0.16 | 1,700 | EKZN100E□□102MJC5S |
| | 1,200 | 10×16 | 0.038 | 0.12 | 2,000 | EKZN100E□□122MJ16S |
| | 1,800 | 10×20 | 0.028 | 0.084 | 2,500 | EKZN100E□□182MJ20S |
| | 1,800 | 12.5×16 | 0.035 | 0.11 | 2,400 | EKZN100E□□182MK16S |
| | 2,200 | 10×25 | 0.026 | 0.072 | 2,900 | EKZN100E□□222MJ25S |
| | 2,700 | 12.5×20 | 0.025 | 0.075 | 2,600 | EKZN100E□□272MK20S |
| | 3,900 | 12.5×25 | 0.019 | 0.057 | 3,200 | EKZN100E□□392MK25S |
| | 4,700 | 12.5×30 | 0.018 | 0.054 | 3,660 | EKZN100E□□472MK30S |
| | 4,700 | 16×20 | 0.021 | 0.063 | 3,330 | EKZN100E□□472ML20S |
| | 5,600 | 12.5×35 | 0.016 | 0.048 | 4,120 | EKZN100E□□562MK35S |
| | 5,600 | 18×20 | 0.020 | 0.060 | 3,450 | EKZN100E□□562MM20S |
| | 6,800 | 16×25 | 0.017 | 0.051 | 3,810 | EKZN100E□□682ML25S |
| | 8,200 | 16×31.5 | 0.016 | 0.048 | 4,100 | EKZN100E□□822MLN3S |
| | 8,200 | 18×25 | 0.016 | 0.048 | 3,880 | EKZN100E□□822MM25S |
| | 10,000 | 16×35.5 | 0.014 | 0.042 | 4,280 | EKZN100E□□103MLP1S |
| | 10,000 | 18×31.5 | 0.014 | 0.042 | 4,190 | EKZN100E□□103MMN3S |
| | 12,000 | 16×40 | 0.013 | 0.039 | 4,580 | EKZN100E□□123ML40S |
| | 12,000 | 18×35.5 | 0.012 | 0.036 | 4,380 | EKZN100E□□123MMP1S |
| | 15,000 | 18×40 | 0.011 | 0.033 | 4,960 | EKZN100E□□153MM40S |
| 16 | 120 | 5×11 | 0.38 | 1.2 | 450 | EKZN160E□□121ME11D |
| | 270 | 6.3×11 | 0.17 | 0.51 | 700 | EKZN160E□□271MF11D |
| | 470 | 8×11.5 | 0.075 | 0.23 | 1,200 | EKZN160E□□471MHB5D |
| | 680 | 8×15 | 0.059 | 0.18 | 1,600 | EKZN160E□□681MH15D |
| | 680 | 10×12.5 | 0.053 | 0.16 | 1,700 | EKZN160E□□681MJC5S |
| | 820 | 8×20 | 0.041 | 0.13 | 1,960 | EKZN160E□□821MH20D |
| | 1,000 | 10×16 | 0.038 | 0.12 | 2,000 | EKZN160E□□102MJ16S |
| | 1,500 | 10×20 | 0.028 | 0.084 | 2,500 | EKZN160E□□152MJ20S |
| | 1,500 | 12.5×16 | 0.035 | 0.11 | 2,400 | EKZN160E□□152MK16S |
| | 1,800 | 10×25 | 0.026 | 0.072 | 2,900 | EKZN160E□□182MJ25S |
| | 2,200 | 12.5×20 | 0.025 | 0.075 | 2,600 | EKZN160E□□222MK20S |
| | 2,700 | 12.5×25 | 0.019 | 0.057 | 3,200 | EKZN160E□□272MK25S |
| | 3,300 | 12.5×30 | 0.018 | 0.054 | 3,660 | EKZN160E□□332MK30S |
| | 3,900 | 12.5×35 | 0.016 | 0.048 | 4,120 | EKZN160E□□392MK35S |
| | 3,900 | 16×20 | 0.021 | 0.063 | 3,330 | EKZN160E□□392ML20S |
| | 4,700 | 18×20 | 0.020 | 0.060 | 3,450 | EKZN160E□□472MM20S |
| 16 | 5,600 | 16×25 | 0.017 | 0.051 | 3,810 | EKZN160E□□562ML25S |
| | 6,800 | 16×31.5 | 0.016 | 0.048 | 4,100 | EKZN160E□□682MLN3S |
| | 6,800 | 18×25 | 0.016 | 0.048 | 3,880 | EKZN160E□□682MM25S |
| | 8,200 | 16×35.5 | 0.014 | 0.042 | 4,280 | EKZN160E□□822MLP1S |
| | 8,200 | 18×31.5 | 0.014 | 0.042 | 4,190 | EKZN160E□□822MMN3S |
| | 10,000 | 16×40 | 0.013 | 0.039 | 4,580 | EKZN160E□□103ML40S |
| | 10,000 | 18×35.5 | 0.012 | 0.036 | 4,380 | EKZN160E□□103MMP1S |
| | 12,000 | 18×40 | 0.011 | 0.033 | 4,960 | EKZN160E□□123MM40S |
| 25 | 68 | 5×11 | 0.38 | 1.2 | 450 | EKZN250E□□680ME11D |
| | 150 | 6.3×11 | 0.17 | 0.51 | 700 | EKZN250E□□151MF11D |
| | 270 | 8×11.5 | 0.075 | 0.23 | 1,200 | EKZN250E□□271MHB5D |
| | 470 | 8×15 | 0.059 | 0.18 | 1,600 | EKZN250E□□471MH15D |
| | 470 | 10×12.5 | 0.053 | 0.16 | 1,700 | EKZN250E□□471MJC5S |
| | 560 | 8×20 | 0.041 | 0.13 | 1,960 | EKZN250E□□561MH20D |
| | 680 | 10×16 | 0.038 | 0.12 | 2,000 | EKZN250E□□681MJ16S |
| | 820 | 10×20 | 0.028 | 0.084 | 2,500 | EKZN250E□□821MJ20S |
| | 1,000 | 12.5×16 | 0.035 | 0.11 | 2,400 | EKZN250E□□102MK16S |
| | 1,200 | 10×25 | 0.026 | 0.072 | 2,900 | EKZN250E□□122MJ25S |
| | 1,500 | 12.5×20 | 0.025 | 0.075 | 2,600 | EKZN250E□□152MK20S |
| | 1,800 | 12.5×25 | 0.019 | 0.057 | 3,200 | EKZN250E□□182MK25S |
| | 2,200 | 12.5×30 | 0.018 | 0.054 | 3,660 | EKZN250E□□222MK30S |
| | 2,200 | 16×20 | 0.021 | 0.063 | 3,330 | EKZN250E□□222ML20S |
| | 2,700 | 12.5×35 | 0.016 | 0.048 | 4,120 | EKZN250E□□272MK35S |
| | 3,300 | 16×25 | 0.017 | 0.051 | 3,810 | EKZN250E□□332ML25S |
| | 3,300 | 18×20 | 0.020 | 0.060 | 3,450 | EKZN250E□□332MM20S |
| | 4,700 | 16×31.5 | 0.016 | 0.048 | 4,100 | EKZN250E□□472MLN3S |
| | 4,700 | 18×25 | 0.016 | 0.048 | 3,880 | EKZN250E□□472MM25S |
| | 5,600 | 16×35.5 | 0.014 | 0.042 | 4,280 | EKZN250E□□562MLP1S |
| | 5,600 | 18×31.5 | 0.014 | 0.042 | 4,190 | EKZN250E□□562MMN3S |
| | 6,800 | 16×40 | 0.013 | 0.039 | 4,580 | EKZN250E□□682ML40S |
| | 6,800 | 18×35.5 | 0.012 | 0.036 | 4,380 | EKZN250E□□682MMP1S |
| | 8,200 | 18×40 | 0.011 | 0.033 | 4,960 | EKZN250E□□822MM40S |
| 35 | 47 | 5×11 | 0.38 | 1.2 | 450 | EKZN350E□□470ME11D |
| | 100 | 6.3×11 | 0.17 | 0.51 | 700 | EKZN350E□□101MF11D |
| | 180 | 8×11.5 | 0.075 | 0.23 | 1,200 | EKZN350E□□181MHB5D |
| | 220 | 8×15 | 0.059 | 0.18 | 1,600 | EKZN350E□□221MH15D |
| | 270 | 10×12.5 | 0.053 | 0.16 | 1,700 | EKZN350E□□271MJC5S |
| | 330 | 8×20 | 0.041 | 0.13 | 1,960 | EKZN350E□□331MH20D |
| | 390 | 10×16 | 0.038 | 0.12 | 2,000 | EKZN350E□□391MJ16S |
| | 470 | 10×20 | 0.028 | 0.084 | 2,500 | EKZN350E□□471MJ20S |
| | 560 | 12.5×16 | 0.035 | 0.11 | 2,400 | EKZN350E□□561MK16S |
| | 680 | 10×25 | 0.026 | 0.072 | 2,900 | EKZN350E□□681MJ25S |
| | 820 | 12.5×20 | 0.025 | 0.075 | 2,600 | EKZN350E□□821MK20S |
| | 1,200 | 12.5×25 | 0.019 | 0.057 | 3,200 | EKZN350E□□122MK25S |
| | 1,500 | 12.5×30 | 0.018 | 0.054 | 3,660 | EKZN350E□□152MK30S |
| | 1,500 | 16×20 | 0.021 | 0.063 | 3,330 | EKZN350E□□152ML20S |
| | 1,800 | 12.5×35 | 0.016 | 0.048 | 4,120 | EKZN350E□□182MK35S |
| | 1,800 | 16×25 | 0.017 | 0.051 | 3,810 | EKZN350E□□182ML25S |
| | 1,800 | 18×20 | 0.020 | 0.060 | 3,450 | EKZN350E□□182MM20S |
| | 2,700 | 16×31.5 | 0.016 | 0.048 | 4,100 | EKZN350E□□272MLN3S |
| | 2,700 | 18×25 | 0.016 | 0.048 | 3,880 | EKZN350E□□272MM25S |
| | 3,300 | 16×35.5 | 0.014 | 0.042 | 4,280 | EKZN350E□□332MLP1S |
| | 3,300 | 18×31.5 | 0.014 | 0.042 | 4,190 | EKZN350E□□332MMN3S |
| | 3,900 | 16×40 | 0.013 | 0.039 | 4,580 | EKZN350E□□392ML40S |
| | 3,900 | 18×35.5 | 0.012 | 0.036 | 4,380 | EKZN350E□□392MMP1S |
| | 4,700 | 18×40 | 0.011 | 0.033 | 4,960 | EKZN350E□□472MM40S |
| 50 | 27 | 5×11 | 0.40 | 1.3 | 450 | EKZN500E□□270ME11D |
| | 56 | 6.3×11 | 0.18 | 0.54 | 700 | EKZN500E□□560MF11D |
| | 100 | 8×11.5 | 0.085 | 0.26 | 1,200 | EKZN500E□□101MHB5D |
| | 120 | 8×15 | 0.065 | 0.20 | 1,600 | EKZN500E□□121MH15D |
| | 150 | 10×12.5 | 0.073 | 0.22 | 1,280 | EKZN500E□□151MJC5S |
| | 180 | 8×20 | 0.049 | 0.16 | 1,960 | EKZN500E□□181MH20D |
| | 220 | 10×16 | 0.053 | 0.16 | 1,650 | EKZN500E□□221MJ16S |
| | 330 | 10×20 | 0.038 | 0.12 | 2,060 | EKZN500E□□331MJ20S |

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

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KZN New! Series

## ◆STANDARD RATINGS

| WV (Vdc) | Cap (μF) | Case size φD×L(mm) | Impedance (Ωmax/100kHz) 20℃ | Impedance (Ωmax/100kHz) -10℃ | Rated ripple current (mArms/105℃, 100kHz) | Part No. |
|---|---|---|---|---|---|---|
| 50 | 330 | 12.5×16 | 0.045 | 0.14 | 2,160 | EKZN500E□□331MK16S |
| | 390 | 10×25 | 0.032 | 0.10 | 2,420 | EKZN500E□□391MJ25S |
| | 470 | 12.5×20 | 0.032 | 0.10 | 2,300 | EKZN500E□□471MK20S |
| | 680 | 12.5×25 | 0.025 | 0.080 | 2,800 | EKZN500E□□681MK25S |
| | 820 | 12.5×30 | 0.023 | 0.074 | 3,370 | EKZN500E□□821MK30S |
| | 820 | 16×20 | 0.026 | 0.084 | 3,070 | EKZN500E□□821ML20S |
| | 1,000 | 12.5×35 | 0.021 | 0.067 | 3,810 | EKZN500E□□102MK35S |
| | 1,200 | 16×25 | 0.022 | 0.070 | 3,510 | EKZN500E□□122ML25S |
| | 1,200 | 18×20 | 0.025 | 0.075 | 3,120 | EKZN500E□□122MM20S |
| | 1,500 | 16×31.5 | 0.019 | 0.057 | 4,030 | EKZN500E□□152MLN3S |
| | 1,500 | 18×25 | 0.021 | 0.063 | 3,530 | EKZN500E□□152MM25S |
| | 1,800 | 16×35.5 | 0.016 | 0.048 | 4,220 | EKZN500E□□182MLP1S |
| | 2,200 | 16×40 | 0.014 | 0.042 | 4,500 | EKZN500E□□222ML40S |
| | 2,200 | 18×31.5 | 0.016 | 0.048 | 4,080 | EKZN500E□□222MMN3S |
| | 2,700 | 18×35.5 | 0.013 | 0.039 | 4,270 | EKZN500E□□272MMP1S |
| | 3,300 | 18×40 | 0.012 | 0.036 | 4,850 | EKZN500E□□332MM40S |
| 63 | 18 | 5×11 | 0.52 | 2.3 | 240 | EKZN630E□□180ME11D |
| | 39 | 6.3×11 | 0.24 | 1.1 | 420 | EKZN630E□□390MF11D |
| | 68 | 8×11.5 | 0.15 | 0.68 | 720 | EKZN630E□□680MHB5D |
| | 100 | 8×15 | 0.10 | 0.45 | 990 | EKZN630E□□101MH15D |
| | 120 | 8×20 | 0.077 | 0.35 | 1,200 | EKZN630E□□121MH20D |
| | 120 | 10×12.5 | 0.090 | 0.36 | 990 | EKZN630E□□121MJC5S |
| | 180 | 10×16 | 0.061 | 0.25 | 1,200 | EKZN630E□□181MJ16S |
| | 270 | 10×20 | 0.045 | 0.18 | 1,570 | EKZN630E□□271MJ20S |
| | 270 | 12.5×16 | 0.058 | 0.18 | 1,570 | EKZN630E□□271MK16S |
| | 330 | 10×25 | 0.037 | 0.12 | 1,990 | EKZN630E□□331MJ25S |
| | 390 | 12.5×20 | 0.033 | 0.10 | 1,990 | EKZN630E□□391MK20S |
| | 560 | 12.5×25 | 0.026 | 0.080 | 2,460 | EKZN630E□□561MK25S |
| | 680 | 12.5×30 | 0.024 | 0.075 | 2,760 | EKZN630E□□681MK30S |
| | 680 | 16×20 | 0.027 | 0.085 | 2,380 | EKZN630E□□681ML20S |
| | 820 | 12.5×35 | 0.022 | 0.068 | 3,040 | EKZN630E□□821MK35S |
| | 820 | 18×20 | 0.026 | 0.078 | 2,530 | EKZN630E□□821MM20S |
| | 1,000 | 16×25 | 0.024 | 0.072 | 2,890 | EKZN630E□□102ML25S |
| | 1,200 | 16×31.5 | 0.020 | 0.060 | 3,280 | EKZN630E□□122MLN3S |
| | 1,200 | 18×25 | 0.022 | 0.066 | 2,930 | EKZN630E□□122MM25S |
| | 1,500 | 16×35.5 | 0.018 | 0.054 | 3,440 | EKZN630E□□152MLP1S |
| | 1,500 | 18×31.5 | 0.018 | 0.054 | 3,380 | EKZN630E□□152MMN3S |
| | 1,800 | 16×40 | 0.016 | 0.048 | 3,690 | EKZN630E□□182ML40S |
| | 1,800 | 18×35.5 | 0.017 | 0.051 | 3,550 | EKZN630E□□182MMP1S |
| | 2,200 | 18×40 | 0.015 | 0.045 | 3,930 | EKZN630E□□222MM40S |
| 80 | 12 | 5×11 | 0.72 | 3.2 | 220 | EKZN800E□□120ME11D |
| | 27 | 6.3×11 | 0.34 | 1.5 | 370 | EKZN800E□□270MF11D |
| | 47 | 8×11.5 | 0.20 | 0.90 | 620 | EKZN800E□□470MHB5D |
| | 68 | 8×15 | 0.14 | 0.63 | 780 | EKZN800E□□680MH15D |

| WV (Vdc) | Cap (μF) | Case size φD×L(mm) | Impedance (Ωmax/100kHz) 20℃ | Impedance (Ωmax/100kHz) -10℃ | Rated ripple current (mArms/105℃, 100kHz) | Part No. |
|---|---|---|---|---|---|---|
| 80 | 82 | 8×20 | 0.12 | 0.54 | 1,040 | EKZN800E□□820MH20D |
| | 82 | 10×12.5 | 0.14 | 0.56 | 780 | EKZN800E□□820MJC5S |
| | 120 | 10×16 | 0.090 | 0.36 | 1,040 | EKZN800E□□121MJ16S |
| | 180 | 10×20 | 0.068 | 0.28 | 1,430 | EKZN800E□□181MJ20S |
| | 180 | 12.5×16 | 0.090 | 0.27 | 1,430 | EKZN800E□□181MK16S |
| | 220 | 10×25 | 0.055 | 0.22 | 1,620 | EKZN800E□□221MJ25S |
| | 270 | 12.5×20 | 0.048 | 0.15 | 1,750 | EKZN800E□□271MK20S |
| | 390 | 12.5×25 | 0.038 | 0.12 | 2,210 | EKZN800E□□391MK25S |
| | 470 | 12.5×30 | 0.033 | 0.11 | 2,400 | EKZN800E□□471MK30S |
| | 470 | 16×20 | 0.036 | 0.12 | 1,950 | EKZN800E□□471ML20S |
| | 560 | 12.5×35 | 0.026 | 0.078 | 2,600 | EKZN800E□□561MK35S |
| | 680 | 16×25 | 0.028 | 0.084 | 2,430 | EKZN800E□□681ML25S |
| | 680 | 18×20 | 0.032 | 0.096 | 2,270 | EKZN800E□□681MM20S |
| | 820 | 16×31.5 | 0.022 | 0.066 | 2,640 | EKZN800E□□821MLN3S |
| | 820 | 18×25 | 0.027 | 0.081 | 2,500 | EKZN800E□□821MM25S |
| | 1,000 | 16×35.5 | 0.020 | 0.060 | 2,860 | EKZN800E□□102MLP1S |
| | 1,200 | 16×40 | 0.018 | 0.054 | 3,510 | EKZN800E□□122ML40S |
| | 1,200 | 18×31.5 | 0.020 | 0.060 | 2,860 | EKZN800E□□122MMN3S |
| | 1,500 | 18×35.5 | 0.018 | 0.054 | 3,510 | EKZN800E□□152MMP1S |
| | 1,800 | 18×40 | 0.017 | 0.051 | 3,860 | EKZN800E□□182MM40S |
| 100 | 8.2 | 5×11 | 0.72 | 3.2 | 220 | EKZN101E□□8R2ME11D |
| | 18 | 6.3×11 | 0.34 | 1.5 | 370 | EKZN101E□□180MF11D |
| | 33 | 8×11.5 | 0.20 | 0.90 | 620 | EKZN101E□□330MHB5D |
| | 47 | 8×15 | 0.14 | 0.63 | 780 | EKZN101E□□470MH15D |
| | 56 | 8×20 | 0.12 | 0.54 | 1,040 | EKZN101E□□560MH20D |
| | 56 | 10×12.5 | 0.14 | 0.56 | 780 | EKZN101E□□560MJC5S |
| | 82 | 10×16 | 0.090 | 0.36 | 1,040 | EKZN101E□□820MJ16S |
| | 100 | 10×20 | 0.068 | 0.28 | 1,430 | EKZN101E□□101MJ20S |
| | 120 | 12.5×16 | 0.090 | 0.27 | 1,430 | EKZN101E□□121MK16S |
| | 150 | 10×25 | 0.055 | 0.22 | 1,620 | EKZN101E□□151MJ25S |
| | 180 | 12.5×20 | 0.048 | 0.15 | 1,750 | EKZN101E□□181MK20S |
| | 220 | 12.5×25 | 0.038 | 0.12 | 2,210 | EKZN101E□□221MK25S |
| | 270 | 12.5×30 | 0.033 | 0.11 | 2,400 | EKZN101E□□271MK30S |
| | 270 | 16×20 | 0.036 | 0.12 | 1,950 | EKZN101E□□271ML20S |
| | 390 | 12.5×35 | 0.026 | 0.078 | 2,600 | EKZN101E□□391MK35S |
| | 390 | 16×25 | 0.028 | 0.084 | 2,430 | EKZN101E□□391ML25S |
| | 390 | 18×20 | 0.032 | 0.096 | 2,270 | EKZN101E□□391MM20S |
| | 470 | 16×31.5 | 0.022 | 0.066 | 2,640 | EKZN101E□□471MLN3S |
| | 560 | 16×35.5 | 0.020 | 0.060 | 2,860 | EKZN101E□□561MLP1S |
| | 560 | 18×25 | 0.027 | 0.081 | 2,500 | EKZN101E□□561MM25S |
| | 680 | 16×40 | 0.018 | 0.054 | 3,510 | EKZN101E□□681ML40S |
| | 680 | 18×31.5 | 0.020 | 0.060 | 2,860 | EKZN101E□□681MMN3S |
| | 820 | 18×35.5 | 0.018 | 0.054 | 3,510 | EKZN101E□□821MMP1S |
| | 1,000 | 18×40 | 0.017 | 0.051 | 3,860 | EKZN101E□□102MM40S |

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

## ◆RATED RIPPLE CURRENT MULTIPLIERS

●Frequency Multipliers

| Capacitance (μF) \ Frequency (Hz) | 120 | 1k | 10k | 100k |
|---|---|---|---|---|
| 8.2 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 22,000 | 0.85 | 0.95 | 0.98 | 1.00 |

Note : 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.

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.

Стандарт Электрон Связь

Мы молодая и активно развивающаяся компания в области поставок электронных компонентов. Мы поставляем электронные компоненты отечественного и импортного производства напрямую от производителей и с крупнейших складов мира.

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С нами вы становитесь еще успешнее!

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