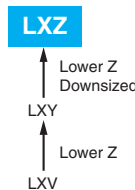


## LXZ Series

- Adoption of innovative electrolyte and new technologies
- Very low impedance at high frequency
- Endurance with ripple current: 2,000 to 8,000 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.

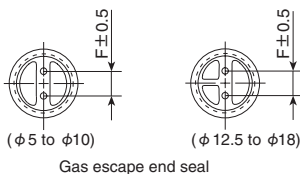
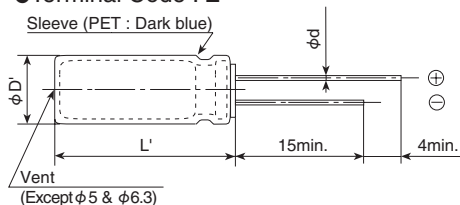


### SPECIFICATIONS

| Items                      | Characteristics                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Category                   | -55 to +105°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Temperature Range          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Rated Voltage Range        | 6.3 to 63V <sub>dc</sub>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Capacitance Tolerance      | ±20% (M) (at 20°C, 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°C after 2 minutes)                                                                                                                                                                                                                                                                                                                                                                          |
| Dissipation Factor (tan δ) | Rated voltage (V <sub>dc</sub> ) 6.3V 10V 16V 25V 35V 50V 63V<br>tan δ (Max.) 0.22 0.19 0.16 0.14 0.12 0.10 0.08<br>When nominal capacitance exceeds 1,000μF, add 0.02 to the value above for each 1,000μF increase. (at 20°C, 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.<br>Time φ 5 & 6.3 : 2,000hours φ 8 : 3,000hours φ 10 : 5,000hours φ 12.5 : 7,000hours φ 16 & 18 : 8,000hours<br>Capacitance change ≤ ±20% of the initial value<br>D.F. (tan δ) ≤ 200% of the initial specified value<br>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.<br>Capacitance change ≤ ±20% of the initial value<br>D.F. (tan δ) ≤ 200% of the initial specified value<br>Leakage current ≤ The initial specified value                                                                                       |

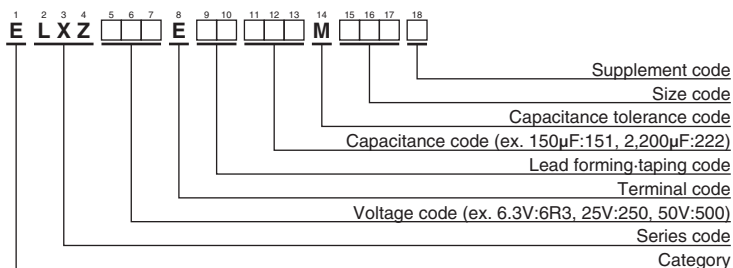
### DIMENSIONS [mm]

#### 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

| WV<br>(V <sub>dc</sub> ) | Cap<br>(μF) | Case size<br>φD×L(mm) | Impedance<br>(Ω max./100kHz) |       | Rated<br>ripple<br>current<br>(mA rms/<br>105°C,<br>100kHz) | Part No.           | WV<br>(V <sub>dc</sub> ) | Cap<br>(μF) | Case size<br>φD×L(mm) | Impedance<br>(Ω max./100kHz) |       | Rated<br>ripple<br>current<br>(mA rms/<br>105°C,<br>100kHz) | Part No.           |
|--------------------------|-------------|-----------------------|------------------------------|-------|-------------------------------------------------------------|--------------------|--------------------------|-------------|-----------------------|------------------------------|-------|-------------------------------------------------------------|--------------------|
|                          |             |                       | 20°C                         | -10°C |                                                             |                    |                          |             |                       | 20°C                         | -10°C |                                                             |                    |
| 6.3                      | 150         | 5×11.5                | 0.50                         | 1.0   | 175                                                         | ELXZ6R3E□□151MEB5D | 16                       | 2,700       | 16×20                 | 0.029                        | 0.058 | 2,210                                                       | ELXZ160E□□272ML20S |
|                          | 330         | 6.3×11.5              | 0.25                         | 0.50  | 290                                                         | ELXZ6R3E□□331MFB5D |                          | 3,300       | 12.5×35               | 0.022                        | 0.044 | 2,510                                                       | ELXZ160E□□332MK35S |
|                          | 470         | 6.3×15                | 0.18                         | 0.36  | 400                                                         | ELXZ6R3E□□471MF15D |                          | 3,900       | 12.5×40               | 0.017                        | 0.034 | 2,870                                                       | ELXZ160E□□392MK40S |
|                          | 680         | 8×12                  | 0.12                         | 0.24  | 555                                                         | ELXZ6R3E□□681MH12D |                          | 3,900       | 16×25                 | 0.022                        | 0.044 | 2,560                                                       | ELXZ160E□□392ML25S |
|                          | 820         | 10×12.5               | 0.090                        | 0.18  | 760                                                         | ELXZ6R3E□□821MJC5S |                          | 3,900       | 18×20                 | 0.028                        | 0.056 | 2,490                                                       | ELXZ160E□□392MM20S |
|                          | 1,000       | 8×15                  | 0.090                        | 0.18  | 730                                                         | ELXZ6R3E□□102MH15D |                          | 4,700       | 16×30                 | 0.019                        | 0.038 | 3,010                                                       | ELXZ160E□□472ML30S |
|                          | 1,200       | 8×20                  | 0.080                        | 0.16  | 810                                                         | ELXZ6R3E□□122MH20D |                          | 4,700       | 18×25                 | 0.020                        | 0.040 | 2,740                                                       | ELXZ160E□□472MM25S |
|                          | 1,200       | 10×16                 | 0.068                        | 0.136 | 1,050                                                       | ELXZ6R3E□□122MJ16S |                          | 5,600       | 16×35                 | 0.017                        | 0.034 | 3,150                                                       | ELXZ160E□□562ML35S |
|                          | 1,500       | 10×20                 | 0.052                        | 0.104 | 1,220                                                       | ELXZ6R3E□□152MJ20S |                          | 5,600       | 18×30                 | 0.018                        | 0.036 | 3,330                                                       | ELXZ160E□□562MM30S |
|                          | 2,200       | 10×25                 | 0.045                        | 0.090 | 1,440                                                       | ELXZ6R3E□□222MJ25S |                          | 6,800       | 16×40                 | 0.015                        | 0.030 | 3,710                                                       | ELXZ160E□□682ML40S |
|                          | 2,700       | 10×30                 | 0.037                        | 0.074 | 1,690                                                       | ELXZ6R3E□□272MJ30S |                          | 8,200       | 18×35                 | 0.016                        | 0.032 | 3,680                                                       | ELXZ160E□□822MM35S |
|                          | 3,300       | 12.5×20               | 0.038                        | 0.076 | 1,660                                                       | ELXZ6R3E□□332MK20S |                          | 10,000      | 18×40                 | 0.015                        | 0.030 | 3,800                                                       | ELXZ160E□□103MM40S |
|                          | 3,900       | 12.5×25               | 0.030                        | 0.060 | 1,950                                                       | ELXZ6R3E□□392MK25S |                          | 47          | 5×11.5                | 0.50                         | 1.0   | 175                                                         | ELXZ250E□□470MEB5D |
|                          | 4,700       | 12.5×30               | 0.025                        | 0.050 | 2,310                                                       | ELXZ6R3E□□472MK30S |                          | 100         | 6.3×11.5              | 0.25                         | 0.50  | 290                                                         | ELXZ250E□□101MFB5D |
|                          | 5,600       | 12.5×35               | 0.022                        | 0.044 | 2,510                                                       | ELXZ6R3E□□562MK35S |                          | 150         | 6.3×15                | 0.18                         | 0.36  | 400                                                         | ELXZ250E□□151MF15D |
|                          | 5,600       | 16×20                 | 0.029                        | 0.058 | 2,210                                                       | ELXZ6R3E□□562ML20S |                          | 220         | 8×12                  | 0.12                         | 0.24  | 555                                                         | ELXZ250E□□221MH12D |
|                          | 6,800       | 12.5×40               | 0.017                        | 0.034 | 2,870                                                       | ELXZ6R3E□□682MK40S |                          | 330         | 8×15                  | 0.090                        | 0.18  | 730                                                         | ELXZ250E□□331MH15D |
|                          | 6,800       | 16×25                 | 0.022                        | 0.044 | 2,560                                                       | ELXZ6R3E□□682ML25S |                          | 330         | 10×12.5               | 0.090                        | 0.18  | 760                                                         | ELXZ250E□□331MJC5S |
|                          | 6,800       | 18×20                 | 0.028                        | 0.056 | 2,490                                                       | ELXZ6R3E□□682MM20S |                          | 390         | 8×20                  | 0.080                        | 0.16  | 810                                                         | ELXZ250E□□391MH20D |
|                          | 8,200       | 16×30                 | 0.019                        | 0.038 | 3,010                                                       | ELXZ6R3E□□822ML30S |                          | 470         | 10×16                 | 0.068                        | 0.136 | 1,050                                                       | ELXZ250E□□471MJ16S |
| 10                       | 10,000      | 16×35                 | 0.017                        | 0.034 | 3,150                                                       | ELXZ6R3E□□103ML35S | 25                       | 680         | 10×20                 | 0.052                        | 0.104 | 1,220                                                       | ELXZ250E□□681MJ20S |
|                          | 10,000      | 18×25                 | 0.020                        | 0.040 | 2,740                                                       | ELXZ6R3E□□103MM25S |                          | 820         | 10×25                 | 0.045                        | 0.090 | 1,440                                                       | ELXZ250E□□821MJ25S |
|                          | 12,000      | 16×40                 | 0.015                        | 0.030 | 3,710                                                       | ELXZ6R3E□□123ML40S |                          | 1,000       | 10×30                 | 0.037                        | 0.074 | 1,690                                                       | ELXZ250E□□102MJ30S |
|                          | 12,000      | 18×30                 | 0.018                        | 0.036 | 3,330                                                       | ELXZ6R3E□□123MM30S |                          | 1,000       | 12.5×20               | 0.038                        | 0.076 | 1,660                                                       | ELXZ250E□□102MK20S |
|                          | 15,000      | 18×35                 | 0.016                        | 0.032 | 3,680                                                       | ELXZ6R3E□□153MM35S |                          | 1,500       | 12.5×25               | 0.030                        | 0.060 | 1,950                                                       | ELXZ250E□□152MK25S |
|                          | 18,000      | 18×40                 | 0.015                        | 0.030 | 3,800                                                       | ELXZ6R3E□□183MM40S |                          | 1,800       | 12.5×30               | 0.025                        | 0.050 | 2,310                                                       | ELXZ250E□□182MK30S |
|                          | 100         | 5×11.5                | 0.50                         | 1.0   | 175                                                         | ELXZ100E□□101MEB5D |                          | 1,800       | 16×20                 | 0.029                        | 0.058 | 2,210                                                       | ELXZ250E□□182ML20S |
|                          | 220         | 6.3×11.5              | 0.25                         | 0.50  | 290                                                         | ELXZ100E□□221MFB5D |                          | 2,200       | 12.5×30               | 0.025                        | 0.050 | 2,310                                                       | ELXZ250E□□222MK30S |
|                          | 330         | 6.3×15                | 0.18                         | 0.36  | 400                                                         | ELXZ100E□□331MF15D |                          | 2,200       | 12.5×35               | 0.022                        | 0.044 | 2,510                                                       | ELXZ250E□□222MK35S |
|                          | 470         | 8×12                  | 0.12                         | 0.24  | 555                                                         | ELXZ100E□□471MH12D |                          | 2,200       | 18×20                 | 0.028                        | 0.056 | 2,490                                                       | ELXZ250E□□222MM20S |
|                          | 680         | 8×15                  | 0.090                        | 0.18  | 730                                                         | ELXZ100E□□681MH15D |                          | 2,700       | 12.5×40               | 0.017                        | 0.034 | 2,870                                                       | ELXZ250E□□272MK40S |
|                          | 680         | 10×12.5               | 0.090                        | 0.18  | 760                                                         | ELXZ100E□□681MJC5S |                          | 2,700       | 16×25                 | 0.022                        | 0.044 | 2,560                                                       | ELXZ250E□□272ML25S |
|                          | 1,000       | 8×20                  | 0.080                        | 0.16  | 810                                                         | ELXZ100E□□102MH20D |                          | 3,300       | 16×25                 | 0.022                        | 0.044 | 2,560                                                       | ELXZ250E□□332ML25S |
|                          | 1,000       | 10×16                 | 0.068                        | 0.136 | 1,050                                                       | ELXZ100E□□102MJ16S |                          | 3,300       | 16×30                 | 0.019                        | 0.038 | 3,010                                                       | ELXZ250E□□332ML30S |
|                          | 1,200       | 10×20                 | 0.052                        | 0.104 | 1,220                                                       | ELXZ100E□□122MJ20S |                          | 3,300       | 18×20                 | 0.028                        | 0.056 | 2,490                                                       | ELXZ250E□□332MM20S |
|                          | 1,500       | 10×25                 | 0.045                        | 0.090 | 1,440                                                       | ELXZ100E□□152MJ25S |                          | 3,300       | 18×25                 | 0.020                        | 0.040 | 2,740                                                       | ELXZ250E□□332MM25S |
|                          | 1,800       | 10×30                 | 0.037                        | 0.074 | 1,690                                                       | ELXZ100E□□182MJ30S |                          | 3,900       | 16×35                 | 0.017                        | 0.034 | 3,150                                                       | ELXZ250E□□392ML35S |
|                          | 2,200       | 10×30                 | 0.037                        | 0.074 | 1,690                                                       | ELXZ100E□□222MJ30S |                          | 3,900       | 18×30                 | 0.018                        | 0.036 | 3,330                                                       | ELXZ250E□□392MM30S |
|                          | 2,200       | 12.5×20               | 0.038                        | 0.076 | 1,660                                                       | ELXZ100E□□222MK20S |                          | 4,700       | 16×40                 | 0.015                        | 0.030 | 3,710                                                       | ELXZ250E□□472ML40S |
|                          | 3,300       | 12.5×25               | 0.030                        | 0.060 | 1,950                                                       | ELXZ100E□□332MK25S | 35                       | 4,700       | 18×35                 | 0.016                        | 0.032 | 3,680                                                       | ELXZ250E□□472MM35S |
| 16                       | 3,900       | 12.5×30               | 0.025                        | 0.050 | 2,310                                                       | ELXZ100E□□392MK30S |                          | 5,600       | 18×40                 | 0.015                        | 0.030 | 3,800                                                       | ELXZ250E□□562MM40S |
|                          | 3,900       | 16×20                 | 0.029                        | 0.058 | 2,210                                                       | ELXZ100E□□392ML20S |                          | 33          | 5×11.5                | 0.50                         | 1.0   | 175                                                         | ELXZ350E□□330MEB5D |
|                          | 4,700       | 12.5×35               | 0.022                        | 0.044 | 2,510                                                       | ELXZ100E□□472MK35S |                          | 56          | 6.3×11.5              | 0.25                         | 0.50  | 290                                                         | ELXZ350E□□560MFB5D |
|                          | 5,600       | 12.5×40               | 0.017                        | 0.034 | 2,870                                                       | ELXZ100E□□562MK40S |                          | 100         | 6.3×15                | 0.18                         | 0.36  | 400                                                         | ELXZ350E□□101MF15D |
|                          | 5,600       | 16×25                 | 0.022                        | 0.044 | 2,560                                                       | ELXZ100E□□562ML25S |                          | 150         | 8×12                  | 0.12                         | 0.24  | 555                                                         | ELXZ350E□□151MH12D |
|                          | 5,600       | 18×20                 | 0.028                        | 0.056 | 2,490                                                       | ELXZ100E□□562MM20S |                          | 220         | 8×15                  | 0.090                        | 0.18  | 730                                                         | ELXZ350E□□221MH15D |
|                          | 6,800       | 16×30                 | 0.019                        | 0.038 | 3,010                                                       | ELXZ100E□□682ML30S |                          | 220         | 10×12.5               | 0.090                        | 0.18  | 760                                                         | ELXZ350E□□221MJC5S |
|                          | 6,800       | 18×25                 | 0.020                        | 0.040 | 2,740                                                       | ELXZ100E□□682MM25S |                          | 270         | 8×20                  | 0.080                        | 0.16  | 810                                                         | ELXZ350E□□271MH20D |
|                          | 8,200       | 16×35                 | 0.017                        | 0.034 | 3,150                                                       | ELXZ100E□□822ML35S |                          | 330         | 10×16                 | 0.068                        | 0.136 | 1,050                                                       | ELXZ350E□□331MJ16S |
|                          | 8,200       | 18×30                 | 0.018                        | 0.036 | 3,330                                                       | ELXZ100E□□822MM30S |                          | 470         | 10×20                 | 0.052                        | 0.104 | 1,220                                                       | ELXZ350E□□471MJ20S |
|                          | 10,000      | 16×40                 | 0.015                        | 0.030 | 3,710                                                       | ELXZ100E□□103ML40S |                          | 560         | 10×20                 | 0.052                        | 0.104 | 1,220                                                       | ELXZ350E□□561MJ20S |
|                          | 10,000      | 18×35                 | 0.016                        | 0.032 | 3,680                                                       | ELXZ100E□□103MM35S |                          | 560         | 10×25                 | 0.045                        | 0.090 | 1,440                                                       | ELXZ350E□□561MJ25S |
|                          | 12,000      | 18×40                 | 0.015                        | 0.030 | 3,800                                                       | ELXZ100E□□123MM40S |                          | 680         | 10×30                 | 0.037                        | 0.074 | 1,690                                                       | ELXZ350E□□681MJ30S |
|                          | 47          | 5×11.5                | 0.50                         | 1.0   | 175                                                         | ELXZ160E□□470MEB5D |                          | 680         | 12.5×20               | 0.038                        | 0.076 | 1,660                                                       | ELXZ350E□□681MK20S |
|                          | 100         | 6.3×11.5              | 0.25                         | 0.50  | 290                                                         | ELXZ160E□□101MFB5D |                          | 1,000       | 12.5×20               | 0.038                        | 0.076 | 1,660                                                       | ELXZ350E□□102MK20S |
|                          | 220         | 6.3×15                | 0.18                         | 0.36  | 400                                                         | ELXZ160E□□221MF15D |                          | 1,000       | 12.5×25               | 0.030                        | 0.060 | 1,950                                                       | ELXZ350E□□102MK25S |
|                          | 330         | 8×12                  | 0.12                         | 0.24  | 555                                                         | ELXZ160E□□331MH12D |                          | 1,200       | 12.5×30               | 0.025                        | 0.050 | 2,310                                                       | ELXZ350E□□122MK30S |
|                          | 470         | 8×15                  | 0.090                        | 0.18  | 730                                                         | ELXZ160E□□471MH15D |                          | 1,200       | 16×20                 | 0.029                        | 0.058 | 2,210                                                       | ELXZ350E□□122ML20S |
|                          | 470         | 10×12.5               | 0.090                        | 0.18  | 760                                                         | ELXZ160E□□471MJC5S |                          | 1,500       | 12.5×35               | 0.022                        | 0.044 | 2,510                                                       | ELXZ350E□□152MK35S |
|                          | 560         | 8×20                  | 0.080                        | 0.16  | 810                                                         | ELXZ160E□□561MH20D |                          | 1,800       | 12.5×40               | 0.017                        | 0.034 | 2,870                                                       | ELXZ350E□□182MK40S |
|                          | 680         | 10×16                 | 0.068                        | 0.136 | 1,050                                                       | ELXZ160E□□681MJ16S |                          | 1,800       | 16×25                 | 0.022                        | 0.044 | 2,560                                                       | ELXZ350E□□182ML25S |
|                          | 1,000       | 10×20                 | 0.052                        | 0.104 | 1,220                                                       | ELXZ160E□□102MJ20S |                          | 1,800       | 18×20                 | 0.028                        | 0.056 | 2,490                                                       | ELXZ350E□□182MM20S |
|                          | 1,200       | 10×25                 | 0.045                        | 0.090 | 1,440                                                       | ELXZ160E□□122MJ25S |                          | 2,200       | 16×25                 | 0.022                        | 0.044 | 2,560                                                       | ELXZ350E□□222ML25S |
|                          | 1,500       | 10×30                 | 0.037                        | 0.074 | 1,690                                                       | ELXZ160E□□152MJ30S |                          | 2,200       | 16×30                 | 0.019                        | 0.038 | 3,010                                                       | ELXZ350E□□222ML30S |
|                          | 1,500       | 12.5×20               | 0.038                        | 0.076 | 1,660                                                       | ELXZ160E□□152MK20S |                          | 2,200       | 18×20                 | 0.028                        | 0.056 | 2,490                                                       | ELXZ350E□□222MM20S |
|                          | 2,200       | 12.5×25               | 0.030                        | 0.060 | 1,950                                                       | ELXZ160E□□222MK25S |                          | 2,200       | 18×25                 | 0.020                        | 0.040 | 2,740                                                       | ELXZ350E□□222MM25S |
|                          | 2,700       | 12.5×30               | 0.025                        | 0.050 | 2,310                                                       | ELXZ160E□□272MK30S |                          | 2,700       | 16×35                 | 0.017                        | 0.034 | 3,150                                                       | ELXZ350E□□272ML35S |

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

### ◆STANDARD RATINGS

| WV<br>(V <sub>dc</sub> ) | Cap<br>(μF) | Case size<br>φD×L(mm) | Impedance<br>(Ω max./100kHz) |       | Rated<br>ripple<br>current<br>(mA <sub>rms</sub> /105°C, 100kHz) | Part No.           |
|--------------------------|-------------|-----------------------|------------------------------|-------|------------------------------------------------------------------|--------------------|
|                          |             |                       | 20°C                         | -10°C |                                                                  |                    |
| 35                       | 2,700       | 18×30                 | 0.018                        | 0.036 | 3,330                                                            | ELXZ350E□□272MM30S |
|                          | 3,300       | 16×40                 | 0.015                        | 0.030 | 3,710                                                            | ELXZ350E□□332ML40S |
|                          | 3,300       | 18×35                 | 0.016                        | 0.032 | 3,680                                                            | ELXZ350E□□332MM35S |
|                          | 3,900       | 18×40                 | 0.015                        | 0.030 | 3,800                                                            | ELXZ350E□□392MM40S |
|                          | 4,700       | 18×40                 | 0.015                        | 0.030 | 3,800                                                            | ELXZ350E□□472MM40S |
| 50                       | 22          | 5×11.5                | 0.90                         | 1.8   | 155                                                              | ELXZ500E□□220MEB5D |
|                          | 47          | 6.3×11.5              | 0.45                         | 0.90  | 260                                                              | ELXZ500E□□470MFB5D |
|                          | 68          | 6.3×15                | 0.31                         | 0.62  | 360                                                              | ELXZ500E□□680MF15D |
|                          | 100         | 8×12                  | 0.22                         | 0.44  | 485                                                              | ELXZ500E□□101MH12D |
|                          | 120         | 8×15                  | 0.16                         | 0.32  | 635                                                              | ELXZ500E□□121MH15D |
|                          | 120         | 10×12.5               | 0.16                         | 0.32  | 620                                                              | ELXZ500E□□121MJC5S |
|                          | 180         | 8×20                  | 0.12                         | 0.24  | 730                                                              | ELXZ500E□□181MH20D |
|                          | 180         | 10×16                 | 0.13                         | 0.26  | 850                                                              | ELXZ500E□□181MJ16S |
|                          | 220         | 10×20                 | 0.088                        | 0.18  | 1,050                                                            | ELXZ500E□□221MJ20S |
|                          | 330         | 10×25                 | 0.073                        | 0.15  | 1,250                                                            | ELXZ500E□□331MJ25S |
|                          | 390         | 10×30                 | 0.054                        | 0.11  | 1,500                                                            | ELXZ500E□□391MJ30S |
|                          | 390         | 12.5×20               | 0.059                        | 0.12  | 1,480                                                            | ELXZ500E□□391MK20S |
|                          | 470         | 12.5×20               | 0.059                        | 0.12  | 1,480                                                            | ELXZ500E□□471MK20S |
|                          | 560         | 12.5×25               | 0.044                        | 0.088 | 1,840                                                            | ELXZ500E□□561MK25S |
|                          | 680         | 12.5×30               | 0.039                        | 0.078 | 2,220                                                            | ELXZ500E□□681MK30S |
|                          | 680         | 16×20                 | 0.048                        | 0.096 | 1,840                                                            | ELXZ500E□□681ML20S |
|                          | 820         | 12.5×35               | 0.033                        | 0.066 | 2,290                                                            | ELXZ500E□□821MK35S |
|                          | 820         | 18×20                 | 0.042                        | 0.084 | 1,980                                                            | ELXZ500E□□821MM20S |
|                          | 1,000       | 12.5×40               | 0.029                        | 0.058 | 2,500                                                            | ELXZ500E□□102MK40S |
|                          | 1,000       | 16×25                 | 0.034                        | 0.068 | 2,240                                                            | ELXZ500E□□102ML25S |
|                          | 1,200       | 16×30                 | 0.028                        | 0.056 | 2,700                                                            | ELXZ500E□□122ML30S |
|                          | 1,200       | 18×25                 | 0.029                        | 0.058 | 2,610                                                            | ELXZ500E□□122MM25S |
|                          | 1,500       | 16×35                 | 0.025                        | 0.050 | 2,800                                                            | ELXZ500E□□152ML35S |
|                          | 1,800       | 16×40                 | 0.021                        | 0.042 | 3,200                                                            | ELXZ500E□□182ML40S |
|                          | 1,800       | 18×30                 | 0.025                        | 0.050 | 3,000                                                            | ELXZ500E□□182MM30S |
| 50                       | 2,200       | 18×35                 | 0.023                        | 0.046 | 3,100                                                            | ELXZ500E□□222MM35S |
|                          | 2,700       | 18×40                 | 0.020                        | 0.040 | 3,400                                                            | ELXZ500E□□272MM40S |
|                          | 12          | 5×11.5                | 1.9                          | 4.0   | 145                                                              | ELXZ630E□□120MEB5D |
|                          | 22          | 6.3×11.5              | 1.0                          | 2.0   | 240                                                              | ELXZ630E□□220MFB5D |
|                          | 39          | 6.3×15                | 0.61                         | 1.4   | 330                                                              | ELXZ630E□□390MF15D |
|                          | 68          | 8×12                  | 0.34                         | 0.75  | 405                                                              | ELXZ630E□□680MH12D |
|                          | 100         | 8×15                  | 0.27                         | 0.65  | 535                                                              | ELXZ630E□□101MH15D |
|                          | 100         | 10×12.5               | 0.255                        | 0.51  | 540                                                              | ELXZ630E□□101MJC5S |
|                          | 120         | 10×16                 | 0.19                         | 0.38  | 600                                                              | ELXZ630E□□121MJ16S |
|                          | 150         | 8×20                  | 0.21                         | 0.52  | 690                                                              | ELXZ630E□□151MH20D |
|                          | 180         | 10×20                 | 0.145                        | 0.29  | 890                                                              | ELXZ630E□□181MJ20S |
|                          | 220         | 10×25                 | 0.13                         | 0.26  | 1,050                                                            | ELXZ630E□□221MJ25S |
|                          | 330         | 10×30                 | 0.090                        | 0.18  | 1,300                                                            | ELXZ630E□□331MJ30S |
|                          | 330         | 12.5×20               | 0.085                        | 0.17  | 1,290                                                            | ELXZ630E□□331MK20S |
|                          | 390         | 12.5×25               | 0.070                        | 0.14  | 1,720                                                            | ELXZ630E□□391MK25S |
|                          | 470         | 12.5×30               | 0.055                        | 0.11  | 2,090                                                            | ELXZ630E□□471MK30S |
|                          | 470         | 16×20                 | 0.059                        | 0.12  | 1,770                                                            | ELXZ630E□□471ML20S |
|                          | 680         | 12.5×35               | 0.047                        | 0.094 | 2,270                                                            | ELXZ630E□□681MK35S |
|                          | 680         | 16×25                 | 0.050                        | 0.10  | 2,160                                                            | ELXZ630E□□681ML25S |
|                          | 680         | 18×20                 | 0.055                        | 0.11  | 2,290                                                            | ELXZ630E□□681MM20S |
|                          | 820         | 12.5×40               | 0.042                        | 0.084 | 2,560                                                            | ELXZ630E□□821MK40S |
|                          | 820         | 16×30                 | 0.043                        | 0.086 | 2,670                                                            | ELXZ630E□□821ML30S |
|                          | 820         | 18×25                 | 0.043                        | 0.086 | 2,590                                                            | ELXZ630E□□821MM25S |
|                          | 1,000       | 16×30                 | 0.043                        | 0.086 | 2,670                                                            | ELXZ630E□□102ML30S |
|                          | 1,000       | 16×35                 | 0.036                        | 0.072 | 2,770                                                            | ELXZ630E□□102ML35S |
|                          | 1,200       | 16×40                 | 0.030                        | 0.060 | 2,850                                                            | ELXZ630E□□122ML40S |
|                          | 1,200       | 18×30                 | 0.032                        | 0.064 | 2,950                                                            | ELXZ630E□□122MM30S |
|                          | 1,500       | 18×35                 | 0.030                        | 0.060 | 3,100                                                            | ELXZ630E□□152MM35S |
|                          | 1,800       | 18×40                 | 0.025                        | 0.050 | 3,210                                                            | ELXZ630E□□182MM40S |
|                          | 2,200       | 18×40                 | 0.025                        | 0.050 | 3,210                                                            | ELXZ630E□□222MM40S |

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

### ◆RATED RIPPLE CURRENT MULTIPLIERS

#### ●Frequency Multipliers

| Capacitance(μF) | Frequency(Hz) | 120  | 1k   | 10k  | 100k |
|-----------------|---------------|------|------|------|------|
| 12 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 18,000 |               | 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°C rise. When long life performance is required in actual use, the rms ripple current has to be reduced.