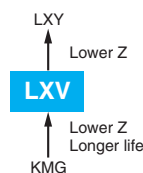


## LXV Series

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

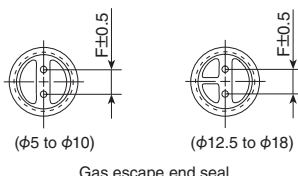
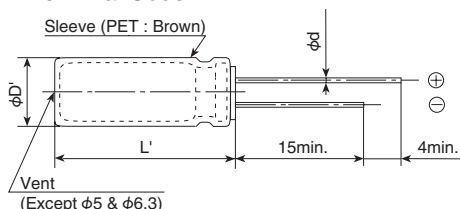


### SPECIFICATIONS

| Items                           | Characteristics                                                                                                                                                                                                                                                                       |                                                                            |      |      |                                   |      |      |            |      |      |
|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|------|------|-----------------------------------|------|------|------------|------|------|
| Category                        | -55 to +105℃                                                                                                                                                                                                                                                                          |                                                                            |      |      |                                   |      |      |            |      |      |
| Temperature Range               | -55 to +105℃                                                                                                                                                                                                                                                                          |                                                                            |      |      |                                   |      |      |            |      |      |
| Rated Voltage Range             | 6.3 to 100V <sub>dc</sub>                                                                                                                                                                                                                                                             |                                                                            |      |      |                                   |      |      |            |      |      |
| 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 (V <sub>dc</sub> )                                                                                                                                                                                                                                                      | 6.3V                                                                       | 10V  | 16V  | 25V                               | 35V  | 50V  | 63V        | 80V  | 100V |
|                                 | tan δ (Max.)                                                                                                                                                                                                                                                                          | 0.22                                                                       | 0.19 | 0.16 | 0.14                              | 0.12 | 0.10 | 0.10       | 0.09 | 0.08 |
|                                 | When nominal capacitance exceeds 1,000μF, add 0.02 to the value above for each 1,000μF increase. (at 20℃, 120Hz)                                                                                                                                                                      |                                                                            |      |      |                                   |      |      |            |      |      |
| Low Temperature Characteristics | Capacitance change ΔC (-55℃ /+20℃)                                                                                                                                                                                                                                                    |                                                                            |      |      | 0.7min.                           |      |      | (at 120Hz) |      |      |
|                                 | Max. impedance ratio (-55℃ /+20℃)                                                                                                                                                                                                                                                     |                                                                            |      |      | 3max.(6.3V <sub>dc</sub> : 4max.) |      |      |            |      |      |
| 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                                                                                                                                                                                                                                                                                  | φ 5 to 6.3 : 2,000hours   φ 8 & 10: 3,000hours   φ 12.5to φ 18: 5,000hours |      |      |                                   |      |      |            |      |      |
|                                 | Capacitance change                                                                                                                                                                                                                                                                    | ≤ ±20% of the initial value                                                |      |      |                                   |      |      |            |      |      |
|                                 | D.F. (tan δ )                                                                                                                                                                                                                                                                         | ≤200% of the initial specified value                                       |      |      |                                   |      |      |            |      |      |
|                                 | Leakage current                                                                                                                                                                                                                                                                       | ≤The initial specified value                                               |      |      |                                   |      |      |            |      |      |
| Shelf Life                      | The following specifications shall be satisfied when the capacitors are restored to 20℃ 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                                                                                                                                                                                                                                                                       | ≤The initial specified value                                               |      |      |                                   |      |      |            |      |      |

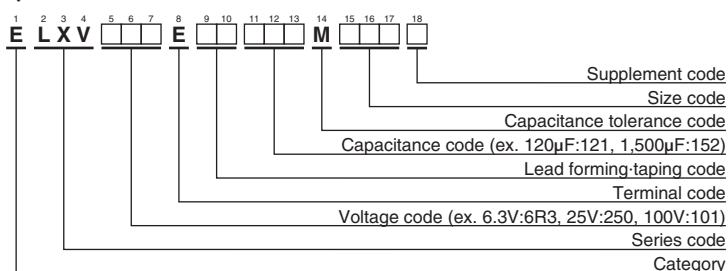
### DIMENSIONS [mm]

#### Terminal Code : E



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

### PART NUMBERING SYSTEM



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

◆STANDARD RATINGS

| VV<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.           | VV<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                      | 120         | 5×11.5                | 0.72                         | 1.8   | 165                                                         | ELXV6R3E□□121MEB5D | 16                       | 2,700       | 12.5×35               | 0.027                        | 0.068 | 2,230                                                       | ELXV160E□□272MK35S |
|                          | 220         | 6.3×11.5              | 0.38                         | 0.95  | 255                                                         | ELXV6R3E□□221MFB5D |                          | 2,700       | 16×25                 | 0.028                        | 0.070 | 2,190                                                       | ELXV160E□□272ML25S |
|                          | 330         | 6.3×15                | 0.27                         | 0.68  | 330                                                         | ELXV6R3E□□331MF15D |                          | 3,300       | 12.5×40               | 0.024                        | 0.060 | 2,460                                                       | ELXV160E□□332MK40S |
|                          | 390         | 8×12                  | 0.20                         | 0.50  | 415                                                         | ELXV6R3E□□391MH12D |                          | 3,300       | 18×20                 | 0.036                        | 0.090 | 1,940                                                       | ELXV160E□□332MM20S |
|                          | 470         | 10×12.5               | 0.12                         | 0.30  | 635                                                         | ELXV6R3E□□471MJC5S |                          | 3,900       | 16×30                 | 0.025                        | 0.063 | 2,510                                                       | ELXV160E□□392ML30S |
|                          | 560         | 8×15                  | 0.16                         | 0.40  | 495                                                         | ELXV6R3E□□561MH15D |                          | 3,900       | 18×25                 | 0.027                        | 0.068 | 2,350                                                       | ELXV160E□□392MM25S |
|                          | 680         | 10×16                 | 0.084                        | 0.21  | 825                                                         | ELXV6R3E□□681MJ16S |                          | 4,700       | 16×35                 | 0.022                        | 0.055 | 2,770                                                       | ELXV160E□□472ML35S |
|                          | 820         | 8×20                  | 0.11                         | 0.28  | 640                                                         | ELXV6R3E□□821MH20D |                          | 4,700       | 18×30                 | 0.024                        | 0.060 | 2,720                                                       | ELXV160E□□472MM30S |
|                          | 1,200       | 10×20                 | 0.062                        | 0.16  | 1,060                                                       | ELXV6R3E□□122MJ20S |                          | 5,600       | 16×40                 | 0.018                        | 0.045 | 3,110                                                       | ELXV160E□□562ML40S |
|                          | 1,500       | 10×25                 | 0.052                        | 0.13  | 1,260                                                       | ELXV6R3E□□152MJ25S |                          | 6,800       | 18×35                 | 0.021                        | 0.053 | 3,050                                                       | ELXV160E□□682MM35S |
|                          | 2,200       | 10×30                 | 0.044                        | 0.11  | 1,450                                                       | ELXV6R3E□□222MJ30S |                          | 8,200       | 18×40                 | 0.017                        | 0.043 | 3,300                                                       | ELXV160E□□822MM40S |
|                          | 2,200       | 12.5×20               | 0.046                        | 0.12  | 1,360                                                       | ELXV6R3E□□222MK20S | 25                       | 39          | 5×11.5                | 0.72                         | 1.8   | 165                                                         | ELXV250E□□390MEB5D |
|                          | 2,700       | 12.5×25               | 0.034                        | 0.085 | 1,700                                                       | ELXV6R3E□□272MK25S |                          | 82          | 6.3×11.5              | 0.38                         | 0.95  | 255                                                         | ELXV250E□□820MFB5D |
|                          | 3,900       | 12.5×30               | 0.030                        | 0.075 | 1,980                                                       | ELXV6R3E□□392MK30S |                          | 120         | 6.3×15                | 0.27                         | 0.68  | 330                                                         | ELXV250E□□121MF15D |
|                          | 3,900       | 16×20                 | 0.038                        | 0.095 | 1,770                                                       | ELXV6R3E□□392ML20S |                          | 150         | 8×12                  | 0.20                         | 0.50  | 415                                                         | ELXV250E□□121MH12D |
|                          | 4,700       | 12.5×35               | 0.027                        | 0.068 | 2,230                                                       | ELXV6R3E□□472MK35S |                          | 180         | 10×12.5               | 0.12                         | 0.30  | 635                                                         | ELXV250E□□181MJC5S |
|                          | 5,600       | 12.5×40               | 0.024                        | 0.060 | 2,460                                                       | ELXV6R3E□□562MK40S |                          | 220         | 8×15                  | 0.16                         | 0.40  | 495                                                         | ELXV250E□□221MH15D |
|                          | 5,600       | 16×25                 | 0.028                        | 0.070 | 2,190                                                       | ELXV6R3E□□562ML25S |                          | 330         | 8×20                  | 0.11                         | 0.28  | 640                                                         | ELXV250E□□331MH20D |
|                          | 5,600       | 18×20                 | 0.036                        | 0.090 | 1,940                                                       | ELXV6R3E□□562MM20S |                          | 330         | 10×16                 | 0.084                        | 0.21  | 825                                                         | ELXV250E□□331MJ16S |
|                          | 6,800       | 16×30                 | 0.025                        | 0.063 | 2,510                                                       | ELXV6R3E□□682ML30S |                          | 470         | 10×20                 | 0.062                        | 0.16  | 1,060                                                       | ELXV250E□□471MJ20S |
|                          | 6,800       | 18×25                 | 0.027                        | 0.068 | 2,350                                                       | ELXV6R3E□□682MM25S |                          | 560         | 10×25                 | 0.052                        | 0.13  | 1,260                                                       | ELXV250E□□561MJ25S |
|                          | 8,200       | 16×35                 | 0.022                        | 0.055 | 2,770                                                       | ELXV6R3E□□822ML35S |                          | 820         | 10×30                 | 0.044                        | 0.11  | 1,450                                                       | ELXV250E□□821MJ30S |
|                          | 10,000      | 16×40                 | 0.018                        | 0.045 | 3,110                                                       | ELXV6R3E□□103ML40S |                          | 820         | 12.5×20               | 0.046                        | 0.12  | 1,360                                                       | ELXV250E□□821MK20S |
|                          | 10,000      | 18×30                 | 0.024                        | 0.060 | 2,720                                                       | ELXV6R3E□□103MM30S |                          | 1,000       | 12.5×25               | 0.034                        | 0.085 | 1,700                                                       | ELXV250E□□102MK25S |
|                          | 12,000      | 18×35                 | 0.021                        | 0.053 | 3,050                                                       | ELXV6R3E□□123MM35S |                          | 1,500       | 12.5×30               | 0.030                        | 0.075 | 1,980                                                       | ELXV250E□□152MK30S |
|                          | 15,000      | 18×40                 | 0.017                        | 0.043 | 3,300                                                       | ELXV6R3E□□153MM40S |                          | 1,500       | 16×20                 | 0.038                        | 0.095 | 1,770                                                       | ELXV250E□□152ML20S |
| 10                       | 82          | 5×11.5                | 0.72                         | 1.8   | 165                                                         | ELXV100E□□820MEB5D |                          | 1,800       | 12.5×35               | 0.027                        | 0.068 | 2,230                                                       | ELXV250E□□182MK35S |
|                          | 180         | 6.3×11.5              | 0.38                         | 0.95  | 255                                                         | ELXV100E□□181MFB5D |                          | 1,800       | 16×25                 | 0.028                        | 0.070 | 2,190                                                       | ELXV250E□□182ML25S |
|                          | 270         | 6.3×15                | 0.27                         | 0.68  | 330                                                         | ELXV100E□□271MF15D |                          | 2,200       | 12.5×40               | 0.024                        | 0.060 | 2,460                                                       | ELXV250E□□222MK40S |
|                          | 330         | 8×12                  | 0.20                         | 0.50  | 415                                                         | ELXV100E□□331MH12D |                          | 2,200       | 18×20                 | 0.036                        | 0.090 | 1,940                                                       | ELXV250E□□222MM20S |
|                          | 390         | 10×12.5               | 0.12                         | 0.30  | 635                                                         | ELXV100E□□391MJC5S |                          | 2,700       | 16×30                 | 0.025                        | 0.063 | 2,510                                                       | ELXV250E□□272ML30S |
|                          | 470         | 8×15                  | 0.16                         | 0.40  | 495                                                         | ELXV100E□□471MH15D |                          | 2,700       | 18×25                 | 0.027                        | 0.068 | 2,350                                                       | ELXV250E□□272MM25S |
|                          | 680         | 8×20                  | 0.11                         | 0.28  | 640                                                         | ELXV100E□□681MH20D |                          | 3,300       | 16×35                 | 0.022                        | 0.055 | 2,770                                                       | ELXV250E□□332ML35S |
|                          | 680         | 10×16                 | 0.084                        | 0.21  | 825                                                         | ELXV100E□□681MJ16S |                          | 3,300       | 18×30                 | 0.024                        | 0.060 | 2,720                                                       | ELXV250E□□332MM30S |
|                          | 1,000       | 10×20                 | 0.062                        | 0.16  | 1,060                                                       | ELXV100E□□102MJ20S |                          | 3,900       | 16×40                 | 0.018                        | 0.045 | 3,110                                                       | ELXV250E□□392ML40S |
|                          | 1,200       | 10×25                 | 0.052                        | 0.13  | 1,260                                                       | ELXV100E□□122MJ25S |                          | 3,900       | 18×35                 | 0.021                        | 0.053 | 3,050                                                       | ELXV250E□□392MM35S |
|                          | 1,500       | 10×30                 | 0.044                        | 0.11  | 1,450                                                       | ELXV100E□□152MJ30S |                          | 4,700       | 18×40                 | 0.017                        | 0.043 | 3,300                                                       | ELXV250E□□472MM40S |
|                          | 1,800       | 12.5×20               | 0.046                        | 0.12  | 1,360                                                       | ELXV100E□□182MK20S | 35                       | 27          | 5×11.5                | 0.72                         | 1.8   | 165                                                         | ELXV350E□□270MEB5D |
|                          | 2,200       | 12.5×25               | 0.034                        | 0.085 | 1,700                                                       | ELXV100E□□222MK25S |                          | 56          | 6.3×11.5              | 0.38                         | 0.95  | 255                                                         | ELXV350E□□560MFB5D |
|                          | 2,700       | 12.5×30               | 0.030                        | 0.075 | 1,980                                                       | ELXV100E□□272MK30S |                          | 82          | 6.3×15                | 0.27                         | 0.68  | 330                                                         | ELXV350E□□820MF15D |
|                          | 3,300       | 12.5×35               | 0.027                        | 0.068 | 2,230                                                       | ELXV100E□□332MK35S |                          | 120         | 8×12                  | 0.20                         | 0.50  | 415                                                         | ELXV350E□□121MH12D |
|                          | 3,300       | 16×20                 | 0.038                        | 0.095 | 1,770                                                       | ELXV100E□□332ML20S |                          | 120         | 10×12.5               | 0.12                         | 0.30  | 635                                                         | ELXV350E□□121MJC5S |
|                          | 3,900       | 12.5×40               | 0.024                        | 0.060 | 2,460                                                       | ELXV100E□□392MK40S |                          | 180         | 8×15                  | 0.16                         | 0.40  | 495                                                         | ELXV350E□□181MH15D |
|                          | 3,900       | 16×25                 | 0.028                        | 0.070 | 2,190                                                       | ELXV100E□□392ML25S |                          | 220         | 8×20                  | 0.11                         | 0.28  | 640                                                         | ELXV350E□□221MH20D |
|                          | 3,900       | 18×20                 | 0.036                        | 0.090 | 1,940                                                       | ELXV100E□□392MM20S |                          | 220         | 10×16                 | 0.084                        | 0.21  | 825                                                         | ELXV350E□□221MJ16S |
|                          | 4,700       | 18×25                 | 0.027                        | 0.068 | 2,350                                                       | ELXV100E□□472MM25S |                          | 330         | 10×20                 | 0.062                        | 0.16  | 1,060                                                       | ELXV350E□□331MJ20S |
|                          | 5,600       | 16×30                 | 0.025                        | 0.063 | 2,510                                                       | ELXV100E□□562ML30S |                          | 390         | 10×25                 | 0.052                        | 0.13  | 1,260                                                       | ELXV350E□□391MJ25S |
|                          | 6,800       | 16×35                 | 0.022                        | 0.055 | 2,770                                                       | ELXV100E□□682ML35S |                          | 560         | 10×30                 | 0.044                        | 0.11  | 1,450                                                       | ELXV350E□□561MJ30S |
|                          | 6,800       | 18×30                 | 0.024                        | 0.060 | 2,720                                                       | ELXV100E□□682MM30S |                          | 560         | 12.5×20               | 0.046                        | 0.12  | 1,360                                                       | ELXV350E□□561MK20S |
|                          | 8,200       | 16×40                 | 0.018                        | 0.045 | 3,110                                                       | ELXV100E□□822ML40S |                          | 680         | 12.5×25               | 0.034                        | 0.085 | 1,700                                                       | ELXV350E□□681MK25S |
|                          | 8,200       | 18×35                 | 0.021                        | 0.053 | 3,050                                                       | ELXV100E□□822MM35S |                          | 1,000       | 12.5×30               | 0.030                        | 0.075 | 1,980                                                       | ELXV350E□□102MK30S |
|                          | 10,000      | 18×40                 | 0.017                        | 0.043 | 3,300                                                       | ELXV100E□□103MM40S |                          | 1,000       | 16×20                 | 0.038                        | 0.095 | 1,770                                                       | ELXV350E□□102ML20S |
| 16                       | 56          | 5×11.5                | 0.72                         | 1.8   | 165                                                         | ELXV160E□□560MEB5D |                          | 1,200       | 12.5×35               | 0.027                        | 0.068 | 2,230                                                       | ELXV350E□□122MK35S |
|                          | 120         | 6.3×11.5              | 0.38                         | 0.95  | 255                                                         | ELXV160E□□121MFB5D |                          | 1,200       | 16×25                 | 0.028                        | 0.070 | 2,190                                                       | ELXV350E□□122ML25S |
|                          | 180         | 6.3×15                | 0.27                         | 0.68  | 330                                                         | ELXV160E□□181MF15D |                          | 1,500       | 12.5×40               | 0.024                        | 0.060 | 2,460                                                       | ELXV350E□□152MK40S |
|                          | 270         | 8×12                  | 0.20                         | 0.50  | 415                                                         | ELXV160E□□271MH12D |                          | 1,500       | 18×20                 | 0.036                        | 0.090 | 1,940                                                       | ELXV350E□□152MM20S |
|                          | 270         | 10×12.5               | 0.12                         | 0.30  | 635                                                         | ELXV160E□□271MJC5S |                          | 1,800       | 16×30                 | 0.025                        | 0.063 | 2,510                                                       | ELXV350E□□182ML30S |
|                          | 330         | 8×15                  | 0.16                         | 0.40  | 495                                                         | ELXV160E□□331MH15D |                          | 1,800       | 18×25                 | 0.027                        | 0.068 | 2,350                                                       | ELXV350E□□182MM25S |
|                          | 470         | 8×20                  | 0.11                         | 0.28  | 640                                                         | ELXV160E□□471MH20D |                          | 2,200       | 16×35                 | 0.022                        | 0.055 | 2,770                                                       | ELXV350E□□222ML35S |
|                          | 470         | 10×16                 | 0.084                        | 0.21  | 825                                                         | ELXV160E□□471MJ16S |                          | 2,200       | 18×30                 | 0.024                        | 0.060 | 2,720                                                       | ELXV350E□□222MM30S |
|                          | 680         | 10×20                 | 0.062                        | 0.16  | 1,060                                                       | ELXV160E□□681MJ20S |                          | 2,700       | 16×40                 | 0.018                        | 0.045 | 3,110                                                       | ELXV350E□□272ML40S |
|                          | 820         | 10×25                 | 0.052                        | 0.13  | 1,260                                                       | ELXV160E□□821MJ25S |                          | 2,700       | 18×35                 | 0.021                        | 0.053 | 3,050                                                       | ELXV350E□□272MM35S |
|                          | 1,200       | 10×30                 | 0.044                        | 0.11  | 1,450                                                       | ELXV160E□□122MJ30S |                          | 3,300       | 18×40                 | 0.017                        | 0.043 | 3,300                                                       | ELXV350E□□332MM40S |
|                          | 1,200       | 12.5×20               | 0.046                        | 0.12  | 1,360                                                       | ELXV160E□□122MK20S | 50                       | 18          | 5×11.5                | 1.1                          | 3.3   | 165                                                         | ELXV500E□□180MEB5D |
|                          | 1,500       | 12.5×25               | 0.034                        | 0.085 | 1,700                                                       | ELXV160E□□152MK25S |                          | 39          | 6.3×11.5              | 0.56                         | 1.6   | 255                                                         | ELXV500E□□390MFB5D |
|                          | 2,200       | 12.5×30               | 0.030                        | 0.075 | 1,980                                                       | ELXV160E□□222MK30S |                          | 56          | 6.3×15                | 0.41                         | 1.2   | 310                                                         | ELXV500E□□560MF15D |
|                          | 2,200       | 16×20                 | 0.038                        | 0.095 | 1,770                                                       | ELXV160E□□222ML20S |                          | 68          | 8×12                  | 0.29                         | 0.84  | 415                                                         | ELXV500E□□680MH12D |

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

## ◆STANDARD RATINGS

| 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 |                                                             |                    |
| 50                       | 82          | 8×15                  | 0.24                         | 0.72  | 505                                                         | ELXV500E□□820MH15D | 80                       | 27          | 6.3×15                | 0.62                         | 1.7   | 220                                                         | ELXV800E□□270MF15D |
|                          | 82          | 10×12.5               | 0.16                         | 0.40  | 530                                                         | ELXV500E□□820MJC5S |                          | 33          | 8×12                  | 0.53                         | 1.5   | 275                                                         | ELXV800E□□330MH12D |
|                          | 120         | 8×20                  | 0.18                         | 0.52  | 610                                                         | ELXV500E□□121MH20D |                          | 39          | 10×12.5               | 0.47                         | 1.3   | 380                                                         | ELXV800E□□390MJC5S |
|                          | 120         | 10×16                 | 0.12                         | 0.30  | 755                                                         | ELXV500E□□121MJ16S |                          | 47          | 8×15                  | 0.35                         | 0.97  | 360                                                         | ELXV800E□□470MH15D |
|                          | 180         | 10×20                 | 0.088                        | 0.22  | 945                                                         | ELXV500E□□181MJ20S |                          | 56          | 8×20                  | 0.27                         | 0.74  | 490                                                         | ELXV800E□□560MH20D |
|                          | 220         | 10×25                 | 0.068                        | 0.17  | 1,150                                                       | ELXV500E□□221MJ25S |                          | 56          | 10×16                 | 0.33                         | 0.90  | 500                                                         | ELXV800E□□560MJ16S |
|                          | 330         | 10×30                 | 0.059                        | 0.15  | 1,260                                                       | ELXV500E□□331MJ30S |                          | 82          | 10×20                 | 0.26                         | 0.70  | 620                                                         | ELXV800E□□820MJ20S |
|                          | 330         | 12.5×20               | 0.059                        | 0.15  | 1,190                                                       | ELXV500E□□331MK20S |                          | 100         | 10×25                 | 0.19                         | 0.52  | 795                                                         | ELXV800E□□101MJ25S |
|                          | 470         | 12.5×25               | 0.045                        | 0.11  | 1,500                                                       | ELXV500E□□471MK25S |                          | 150         | 10×30                 | 0.15                         | 0.41  | 955                                                         | ELXV800E□□151MJ30S |
|                          | 560         | 12.5×30               | 0.039                        | 0.098 | 1,720                                                       | ELXV500E□□561MK30S |                          | 150         | 12.5×20               | 0.15                         | 0.41  | 890                                                         | ELXV800E□□151MK20S |
|                          | 680         | 12.5×35               | 0.033                        | 0.083 | 1,900                                                       | ELXV500E□□681MK35S |                          | 180         | 12.5×25               | 0.11                         | 0.30  | 1,040                                                       | ELXV800E□□181MK25S |
|                          | 680         | 16×20                 | 0.043                        | 0.11  | 1,500                                                       | ELXV500E□□681ML20S |                          | 270         | 12.5×30               | 0.094                        | 0.26  | 1,270                                                       | ELXV800E□□271MK30S |
|                          | 820         | 12.5×40               | 0.029                        | 0.073 | 2,120                                                       | ELXV500E□□821MK40S |                          | 270         | 16×20                 | 0.11                         | 0.30  | 1,240                                                       | ELXV800E□□271ML20S |
|                          | 820         | 16×25                 | 0.033                        | 0.083 | 1,880                                                       | ELXV500E□□821ML25S |                          | 330         | 12.5×35               | 0.087                        | 0.24  | 1,450                                                       | ELXV800E□□331MK35S |
|                          | 820         | 18×20                 | 0.039                        | 0.098 | 1,660                                                       | ELXV500E□□821MM20S |                          | 330         | 16×25                 | 0.081                        | 0.22  | 1,440                                                       | ELXV800E□□331ML25S |
|                          | 1,000       | 16×30                 | 0.029                        | 0.073 | 2,150                                                       | ELXV500E□□102ML30S |                          | 390         | 12.5×40               | 0.060                        | 0.17  | 1,610                                                       | ELXV800E□□391MK40S |
|                          | 1,000       | 18×25                 | 0.030                        | 0.075 | 2,020                                                       | ELXV500E□□102MM25S |                          | 390         | 18×20                 | 0.085                        | 0.23  | 1,450                                                       | ELXV800E□□391MM20S |
|                          | 1,200       | 16×35                 | 0.025                        | 0.063 | 2,320                                                       | ELXV500E□□122ML35S |                          | 470         | 16×30                 | 0.058                        | 0.16  | 1,790                                                       | ELXV800E□□471ML30S |
|                          | 1,500       | 16×40                 | 0.021                        | 0.053 | 2,650                                                       | ELXV500E□□152ML40S |                          | 470         | 18×25                 | 0.070                        | 0.19  | 1,650                                                       | ELXV800E□□471MM25S |
|                          | 1,500       | 18×30                 | 0.026                        | 0.065 | 2,340                                                       | ELXV500E□□152MM30S |                          | 560         | 16×35                 | 0.052                        | 0.14  | 2,000                                                       | ELXV800E□□561ML35S |
|                          | 1,800       | 18×35                 | 0.023                        | 0.058 | 2,620                                                       | ELXV500E□□182MM35S |                          | 680         | 16×40                 | 0.041                        | 0.11  | 2,200                                                       | ELXV800E□□681ML40S |
| 63                       | 2,200       | 18×40                 | 0.020                        | 0.050 | 2,790                                                       | ELXV500E□□222MM40S | 100                      | 680         | 18×30                 | 0.058                        | 0.16  | 1,850                                                       | ELXV800E□□681MM30S |
|                          | 12          | 5×11.5                | 1.9                          | 4.8   | 100                                                         | ELXV630E□□120MEB5D |                          | 820         | 18×35                 | 0.052                        | 0.14  | 1,990                                                       | ELXV800E□□821MM35S |
|                          | 27          | 6.3×11.5              | 1.1                          | 2.8   | 160                                                         | ELXV630E□□270MF5D  |                          | 1,000       | 18×40                 | 0.041                        | 0.11  | 2,370                                                       | ELXV800E□□102MM40S |
|                          | 39          | 6.3×15                | 0.62                         | 1.6   | 230                                                         | ELXV630E□□390MF15D |                          | 5.6         | 5×11.5                | 1.9                          | 5.1   | 100                                                         | ELXV101E□□5R6MEB5D |
|                          | 47          | 8×12                  | 0.49                         | 1.3   | 275                                                         | ELXV630E□□470MH12D |                          | 12          | 6.3×11.5              | 1.1                          | 3.0   | 150                                                         | ELXV101E□□120MFB5D |
|                          | 56          | 10×12.5               | 0.27                         | 0.68  | 420                                                         | ELXV630E□□560MJC5S |                          | 18          | 6.3×15                | 0.62                         | 1.7   | 220                                                         | ELXV101E□□180MF15D |
|                          | 68          | 8×15                  | 0.34                         | 0.85  | 360                                                         | ELXV630E□□680MH15D |                          | 22          | 8×12                  | 0.53                         | 1.5   | 275                                                         | ELXV101E□□220MH12D |
|                          | 68          | 10×16                 | 0.21                         | 0.53  | 523                                                         | ELXV630E□□680MJ16S |                          | 27          | 10×12.5               | 0.47                         | 1.3   | 380                                                         | ELXV101E□□270MJC5S |
|                          | 82          | 8×20                  | 0.21                         | 0.53  | 500                                                         | ELXV630E□□820MH20D |                          | 33          | 8×15                  | 0.35                         | 0.97  | 360                                                         | ELXV101E□□330MH15D |
|                          | 120         | 10×20                 | 0.16                         | 0.40  | 650                                                         | ELXV630E□□121MJ20S |                          | 33          | 10×16                 | 0.33                         | 0.90  | 500                                                         | ELXV101E□□330MJ16S |
|                          | 150         | 10×25                 | 0.13                         | 0.33  | 780                                                         | ELXV630E□□151MJ25S |                          | 39          | 8×20                  | 0.27                         | 0.74  | 490                                                         | ELXV101E□□390MH20D |
|                          | 180         | 10×30                 | 0.10                         | 0.25  | 960                                                         | ELXV630E□□181MJ30S |                          | 56          | 10×20                 | 0.26                         | 0.70  | 620                                                         | ELXV101E□□560MJ20S |
|                          | 220         | 12.5×20               | 0.11                         | 0.28  | 870                                                         | ELXV630E□□221MK20S |                          | 68          | 10×25                 | 0.19                         | 0.52  | 795                                                         | ELXV101E□□680MJ25S |
|                          | 270         | 12.5×25               | 0.074                        | 0.19  | 1,150                                                       | ELXV630E□□271MK25S |                          | 100         | 10×30                 | 0.15                         | 0.41  | 955                                                         | ELXV101E□□101MJ30S |
|                          | 390         | 12.5×30               | 0.068                        | 0.17  | 1,280                                                       | ELXV630E□□391MK30S |                          | 100         | 12.5×20               | 0.15                         | 0.41  | 890                                                         | ELXV101E□□101MK20S |
|                          | 390         | 16×20                 | 0.085                        | 0.22  | 1,100                                                       | ELXV630E□□391ML20S |                          | 120         | 12.5×25               | 0.11                         | 0.30  | 1,040                                                       | ELXV101E□□121MK25S |
|                          | 470         | 12.5×35               | 0.063                        | 0.16  | 1,390                                                       | ELXV630E□□471MK35S |                          | 180         | 12.5×30               | 0.094                        | 0.26  | 1,270                                                       | ELXV101E□□181MK30S |
|                          | 470         | 16×25                 | 0.055                        | 0.14  | 1,480                                                       | ELXV630E□□471ML25S |                          | 180         | 16×20                 | 0.11                         | 0.30  | 1,240                                                       | ELXV101E□□181ML20S |
|                          | 560         | 12.5×40               | 0.051                        | 0.13  | 1,530                                                       | ELXV630E□□561MK40S |                          | 220         | 12.5×35               | 0.087                        | 0.24  | 1,450                                                       | ELXV101E□□221MK35S |
|                          | 560         | 18×20                 | 0.085                        | 0.22  | 1,170                                                       | ELXV630E□□561MM20S |                          | 220         | 16×25                 | 0.081                        | 0.22  | 1,440                                                       | ELXV101E□□221ML25S |
| 80                       | 680         | 16×30                 | 0.046                        | 0.12  | 1,720                                                       | ELXV630E□□681ML30S |                          | 270         | 12.5×40               | 0.060                        | 0.17  | 1,610                                                       | ELXV101E□□271MK40S |
|                          | 680         | 18×25                 | 0.055                        | 0.14  | 1,520                                                       | ELXV630E□□681MM25S |                          | 270         | 18×20                 | 0.085                        | 0.23  | 1,450                                                       | ELXV101E□□271MM20S |
|                          | 820         | 16×35                 | 0.040                        | 0.10  | 1,910                                                       | ELXV630E□□821ML35S |                          | 330         | 16×30                 | 0.058                        | 0.16  | 1,790                                                       | ELXV101E□□331ML30S |
|                          | 820         | 18×30                 | 0.046                        | 0.12  | 1,770                                                       | ELXV630E□□821MM30S |                          | 330         | 18×25                 | 0.070                        | 0.19  | 1,650                                                       | ELXV101E□□331MM25S |
|                          | 1,000       | 16×40                 | 0.036                        | 0.09  | 2,070                                                       | ELXV630E□□102ML40S |                          | 390         | 16×35                 | 0.052                        | 0.14  | 2,000                                                       | ELXV101E□□391ML35S |
|                          | 1,000       | 18×35                 | 0.040                        | 0.10  | 1,970                                                       | ELXV630E□□102MM35S |                          | 390         | 18×30                 | 0.058                        | 0.16  | 1,850                                                       | ELXV101E□□391MM30S |
|                          | 1,200       | 18×40                 | 0.036                        | 0.09  | 2,130                                                       | ELXV630E□□122MM40S |                          | 470         | 16×40                 | 0.041                        | 0.11  | 2,200                                                       | ELXV101E□□471ML40S |
|                          | 8.2         | 5×11.5                | 1.9                          | 5.1   | 100                                                         | ELXV800E□□8R2MEB5D |                          | 560         | 18×35                 | 0.052                        | 0.14  | 1,990                                                       | ELXV101E□□561MM35S |
|                          | 18          | 6.3×11.5              | 1.1                          | 3.0   | 150                                                         | ELXV800E□□180MFB5D |                          | 680         | 18×40                 | 0.041                        | 0.11  | 2,370                                                       | ELXV101E□□681MM40S |

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

## ◆RATED RIPPLE CURRENT MULTIPLIERS

## ●Frequency Multipliers

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

The endurance of capacitors is reduced with internal heating produced by ripple current at the rate of halving the lifetime with every 5°C rise.

When long life performance is required in actual use, the rms ripple current has to be reduced.