

ALUMINUM ELECTROLYTIC CAPACITORS



EY Series

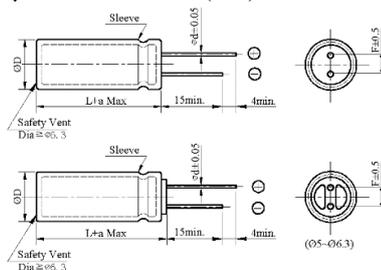
- Miniaturized, low ESR and low impedance
- Suitable for use in high ripple current capability
- Load life 4,000~10,000 hours at 105°C



◆ SPECIFICATIONS

| Item | Performance Characteristics | | | | | | | | | | | | | | | | | | |
|---|---|-------------------------------|-----------------------------|--------------------------|-------------------------------|-----------------|-------------------------------|-------|--------|-------|-------------------|---------|-------|--------|------|------|------|------|------|
| Category Temperature Range | -55~+105°C | | | | | | | | | | | | | | | | | | |
| Working Voltage Range | 6.3 ~ 100Vdc | | | | | | | | | | | | | | | | | | |
| Capacitance Range | 6.8 ~ 18,000µF | | | | | | | | | | | | | | | | | | |
| Capacitance Tolerance | ±20% (at 25°C and 120Hz) | | | | | | | | | | | | | | | | | | |
| Dissipation Factor (tanδ) (at 25°C, 120Hz) | <table border="1"> <tr> <td>Rated Voltage (V)</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> <td>63</td> <td>100</td> </tr> <tr> <td>tanδ(Max)</td> <td>0.22</td> <td>0.19</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> <td>0.10</td> <td>0.09</td> <td>0.08</td> </tr> </table> | Rated Voltage (V) | 6.3 | 10 | 16 | 25 | 35 | 50 | 63 | 100 | tanδ(Max) | 0.22 | 0.19 | 0.16 | 0.14 | 0.12 | 0.10 | 0.09 | 0.08 |
| | Rated Voltage (V) | 6.3 | 10 | 16 | 25 | 35 | 50 | 63 | 100 | | | | | | | | | | |
| tanδ(Max) | 0.22 | 0.19 | 0.16 | 0.14 | 0.12 | 0.10 | 0.09 | 0.08 | | | | | | | | | | | |
| When nominal capacitance exceeds 1,000uF, add 0.02 to the value above for each 1,000uF increase. | | | | | | | | | | | | | | | | | | | |
| Leakage Current | I=0.01CV or 3µA whichever is greater I : Leakage current (µA) C : Rated capacitance (µF) V : Rated voltage (V) Impress the rated voltage for 2 minutes | | | | | | | | | | | | | | | | | | |
| Low Temperature Characteristics Impedance Ratio(MAX) | <table border="1"> <tr> <td>Rated voltage (V)</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> <td>63</td> <td>100</td> </tr> <tr> <td>Z(-55°C)/Z(+20°C)</td> <td>4</td> <td>3</td> <td>3</td> <td>3</td> <td>3</td> <td>3</td> <td>3</td> <td>3</td> </tr> </table> | Rated voltage (V) | 6.3 | 10 | 16 | 25 | 35 | 50 | 63 | 100 | Z(-55°C)/Z(+20°C) | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | Rated voltage (V) | 6.3 | 10 | 16 | 25 | 35 | 50 | 63 | 100 | | | | | | | | | | |
| Z(-55°C)/Z(+20°C) | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | | | | | | | | | | | |
| (at 120Hz) | | | | | | | | | | | | | | | | | | | |
| Endurance | The following specifications shall be satisfied when the capacitors are restored to 25°C after subjected to DC voltage with the rated ripple current is applied for 4,000~10,000 hours at 105°C. | | | | | | | | | | | | | | | | | | |
| | <table border="1"> <tr> <td>Capacitance change</td> <td>≦ ±25% of the initial value</td> </tr> <tr> <td>Dissipation factor(tanδ)</td> <td>≦ 200% of the specified value</td> </tr> <tr> <td>Leakage current</td> <td>≦ specified value</td> </tr> </table> | Capacitance change | ≦ ±25% of the initial value | Dissipation factor(tanδ) | ≦ 200% of the specified value | Leakage current | ≦ specified value | | | | | | | | | | | | |
| | Capacitance change | ≦ ±25% of the initial value | | | | | | | | | | | | | | | | | |
| | Dissipation factor(tanδ) | ≦ 200% of the specified value | | | | | | | | | | | | | | | | | |
| Leakage current | ≦ specified value | | | | | | | | | | | | | | | | | | |
| <table border="1"> <tr> <th rowspan="2">Size</th> <th colspan="2">Life time (hours)</th> </tr> <tr> <th>6.3~10WV</th> <th>16~100WV</th> </tr> <tr> <td>≦ Φ6.3</td> <td>4,000</td> <td>5,000</td> </tr> <tr> <td>Φ8 ~10</td> <td>6,000</td> <td>7,000</td> </tr> <tr> <td>≧ Φ12.5</td> <td>8,000</td> <td>10,000</td> </tr> </table> | Size | Life time (hours) | | 6.3~10WV | 16~100WV | ≦ Φ6.3 | 4,000 | 5,000 | Φ8 ~10 | 6,000 | 7,000 | ≧ Φ12.5 | 8,000 | 10,000 | | | | | |
| Size | | Life time (hours) | | | | | | | | | | | | | | | | | |
| | 6.3~10WV | 16~100WV | | | | | | | | | | | | | | | | | |
| ≦ Φ6.3 | 4,000 | 5,000 | | | | | | | | | | | | | | | | | |
| Φ8 ~10 | 6,000 | 7,000 | | | | | | | | | | | | | | | | | |
| ≧ Φ12.5 | 8,000 | 10,000 | | | | | | | | | | | | | | | | | |
| (at 120Hz) | | | | | | | | | | | | | | | | | | | |
| Shelf Life | The following requirements shall be satisfied when the capacitor are restored to 25°C after exposing them for 1,000 hours at 105°C without voltage applied. | | | | | | | | | | | | | | | | | | |
| | <table border="1"> <tr> <td>Capacitance change</td> <td>≦ ±25% of the initial value</td> </tr> <tr> <td>Dissipation factor(tanδ)</td> <td>≦ 200% of the specified value</td> </tr> <tr> <td>Leakage current</td> <td>≦ 200% of the specified value</td> </tr> </table> | Capacitance change | ≦ ±25% of the initial value | Dissipation factor(tanδ) | ≦ 200% of the specified value | Leakage current | ≦ 200% of the specified value | | | | | | | | | | | | |
| | Capacitance change | ≦ ±25% of the initial value | | | | | | | | | | | | | | | | | |
| | Dissipation factor(tanδ) | ≦ 200% of the specified value | | | | | | | | | | | | | | | | | |
| Leakage current | ≦ 200% of the specified value | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| Others | Conforms to JIS-C-5101-4 (1998) | | | | | | | | | | | | | | | | | | |

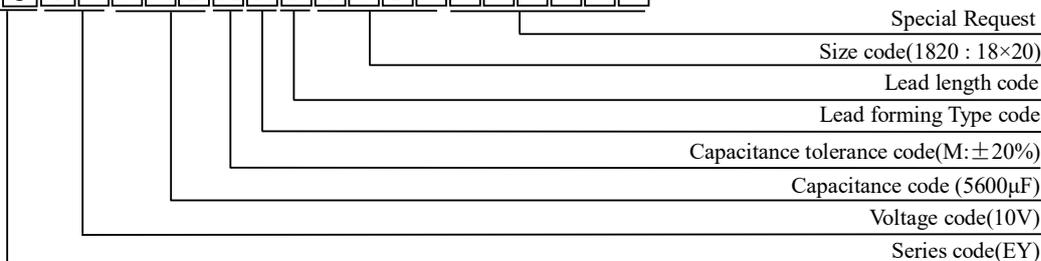
◆ DIMENSIONS (mm)



| ΦD | 5 | 6.3 | 8 | 10 | 12.5 | 16 | 18 |
|----|--------------|-----|-----|-----|---------------------------------|-------------|-----|
| ΦD | ΦD + 0.5 Max | | | | | | |
| 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 |
| a | L + 1.5 Max | | | | ≦ 35 L+1.5Max ≧ 40 L+2.0 Max | L + 1.5 Max | |

◆ PART NUMBER SYSTEM(Example : 10V 5600µF)

E Y 1 A 5 6 2 M N N 1 8 2 0



ALUMINUM ELECTROLYTIC CAPACITORS



EY Series

STANDARD RATINGS

| WV (Vdc) | Cap (μF) | Case Size (mm) ΦD×L | IMPD. (Ωmax/100kHz) | | Rated Ripple current (mA rms/105°C, 100kHz) | Part Number | |
|----------|----------|---------------------|---------------------|-------|---|-----------------|----------------|
| | | | 20°C | -10°C | | | |
| 6.3 (0J) | 150 | 5×11 | 0.57 | 2.3 | 210 | EY0J151MNN0511 | |
| | 220 | 6.3×11 | 0.25 | 0.9 | 320 | EY0J221MNN6311 | |
| | 330 | 6.3×11 | 0.21 | 0.87 | 350 | EY0J331MNN6311 | |
| | 470 | 8×11.5 | 0.15 | 0.58 | 410 | EY0J471MNN08B5 | |
| | 680 | 8×11.5 | 0.13 | 0.52 | 645 | EY0J681MNN08B5 | |
| | 820 | 10×12.5 | 0.08 | 0.32 | 865 | EY0J821MNN10C5 | |
| | 1000 | 8×15 | 0.085 | 0.35 | 870 | EY0J102MNN0815 | |
| | 1200 | 8×20 | 0.069 | 0.26 | 1050 | EY0J122MNN0820 | |
| | 1200 | 10×16 | 0.062 | 0.24 | 1215 | EY0J122MNN1016 | |
| | 1500 | 10×20 | 0.045 | 0.18 | 1410 | EY0J152MNN1020 | |
| | 1800 | 12.5×16 | 0.048 | 0.16 | 1460 | EY0J182MNN1216 | |
| | 2200 | 10×20 | 0.042 | 0.17 | 1650 | EY0J222MNN1020 | |
| | 2700 | 10×30 | 0.03 | 0.12 | 1910 | EY0J272MNN1030 | |
| | 2700 | 16×15 | 0.041 | 0.12 | 1945 | EY0J272MNN1615 | |
| | 3300 | 12.5×20 | 0.034 | 0.12 | 1950 | EY0J332MNN1220 | |
| | 3900 | 12.5×25 | 0.026 | 0.088 | 2240 | EY0J392MNN1225 | |
| | 3900 | 18×15 | 0.042 | 0.11 | 2210 | EY0J392MNN1815 | |
| | 4700 | 12.5×30 | 0.023 | 0.078 | 2670 | EY0J472MNN1230 | |
| | 5600 | 12.5×35 | 0.02 | 0.065 | 2890 | EY0J562MNN1235W | |
| | 5600 | 16×20 | 0.026 | 0.077 | 2540 | EY0J562MNN1620 | |
| | 6800 | 12.5×40 | 0.016 | 0.055 | 3350 | EY0J682MNN1240W | |
| | 6800 | 16×25 | 0.02 | 0.06 | 2940 | EY0J682MNN1625 | |
| | 6800 | 18×20 | 0.025 | 0.066 | 2870 | EY0J682MNN1820 | |
| | 8200 | 16×31.5 | 0.016 | 0.05 | 3460 | EY0J822MNN16N3 | |
| | 10000 | 16×35.5 | 0.014 | 0.044 | 3620 | EY0J103MNN16P1 | |
| | 10000 | 18×25 | 0.018 | 0.049 | 3150 | EY0J103MNN1825 | |
| | 12000 | 16×40 | 0.012 | 0.038 | 4090 | EY0J123MNN1640 | |
| | 12000 | 18×31.5 | 0.014 | 0.04 | 4180 | EY0J123MNN18N3 | |
| | 15000 | 18×35.5 | 0.013 | 0.038 | 4230 | EY0J153MNN18P1 | |
| | 18000 | 18×40 | 0.012 | 0.032 | 4290 | EY0J183MNN1840 | |
| | 10 (1A) | 100 | 5×11 | 0.58 | 2.3 | 215 | EY1A101MNN0511 |
| | | 150 | 5×11 | 0.58 | 2.3 | 230 | EY1A151MNN0511 |
| | | 220 | 6.3×11 | 0.22 | 0.87 | 340 | EY1A221MNN6311 |
| 330 | | 6.3×11 | 0.22 | 0.87 | 380 | EY1A331MNN6311 | |
| 470 | | 8×11.5 | 0.13 | 0.52 | 640 | EY1A471MNN08B5 | |
| 680 | | 8×15 | 0.086 | 0.35 | 845 | EY1A681MNN0815 | |
| 680 | | 10×12.5 | 0.08 | 0.31 | 865 | EY1A681MNN10C5 | |
| 820 | | 10×16 | 0.07 | 0.28 | 1015 | EY1A821MNN1016 | |
| 1000 | | 8×20 | 0.068 | 0.27 | 1050 | EY1A102MNN0820 | |
| 1000 | | 10×16 | 0.06 | 0.24 | 1215 | EY1A102MNN1016 | |
| 1200 | | 10×20 | 0.045 | 0.18 | 1410 | EY1A122MNN1020 | |
| 1500 | | 10×25 | 0.041 | 0.17 | 1610 | EY1A152MNN1025 | |
| 1500 | | 12.5×16 | 0.049 | 0.16 | 1450 | EY1A152MNN1216 | |
| 1800 | | 12.5×20 | 0.039 | 0.15 | 1710 | EY1A182MNN1220 | |
| 2200 | | 10×30 | 0.03 | 0.12 | 1920 | EY1A222MNN1030 | |
| 2200 | | 12.5×20 | 0.035 | 0.12 | 1910 | EY1A222MNN1220 | |
| 2200 | | 16×16 | 0.042 | 0.12 | 1900 | EY1A222MNN1616 | |
| 2700 | | 18×15 | 0.042 | 0.11 | 2220 | EY1A272MNN1815 | |
| 3300 | | 12.5×25 | 0.026 | 0.089 | 2250 | EY1A332MNN1225 | |
| 3900 | | 12.5×30 | 0.023 | 0.078 | 2660 | EY1A392MNN1230 | |
| 3900 | | 16×20 | 0.026 | 0.078 | 2540 | EY1A392MNN1620 | |
| 4700 | | 12.5×35 | 0.02 | 0.065 | 2890 | EY1A472MNN1235W | |
| 5600 | | 12.5×40 | 0.016 | 0.055 | 3360 | EY1A562MNN1240W | |
| 5600 | | 16×25 | 0.02 | 0.06 | 2940 | EY1A562MNN1625 | |
| 5600 | | 18×20 | 0.025 | 0.066 | 2870 | EY1A562MNN1820 | |
| 6800 | | 16×31.5 | 0.016 | 0.05 | 3460 | EY1A682MNN16N3 | |
| 6800 | | 18×25 | 0.018 | 0.049 | 3150 | EY1A682MNN1825 | |
| 8200 | | 16×35.5 | 0.015 | 0.044 | 3610 | EY1A822MNN16P1 | |
| 8200 | | 18×31.5 | 0.015 | 0.04 | 4180 | EY1A822MNN18N3 | |

| WV (Vdc) | Cap (μF) | Case Size (mm) ΦD×L | IMPD. (Ωmax/100kHz) | | Rated Ripple current (mA rms/105°C, 100kHz) | Part Number | |
|----------|----------|---------------------|---------------------|-------|---|-----------------|----------------|
| | | | 20°C | -10°C | | | |
| 10 (1A) | 10000 | 16×40 | 0.013 | 0.038 | 4090 | EY1A103MNN1640 | |
| | 10000 | 18×35.5 | 0.012 | 0.038 | 4150 | EY1A103MNN18P1 | |
| | 12000 | 18×40 | 0.011 | 0.032 | 4290 | EY1A123MNN1840 | |
| | 10 | 5×11 | 1.1 | 3.02 | 96 | EY1C100MNN0511 | |
| | 22 | 5×11 | 0.75 | 2.8 | 120 | EY1C220MNN0511 | |
| | 47 | 5×11 | 0.6 | 2.6 | 180 | EY1C470MNN0511 | |
| | 56 | 5×11 | 0.57 | 2.3 | 220 | EY1C560MNN0511 | |
| | 100 | 5×11 | 0.35 | 0.76 | 260 | EY1C101MNN0511 | |
| | 100 | 6.3×11 | 0.21 | 0.82 | 310 | EY1C101MNN6311 | |
| | 120 | 6.3×11 | 0.21 | 0.87 | 340 | EY1C121MNN6311 | |
| 16 (1C) | 220 | 6.3×11 | 0.15 | 0.65 | 450 | EY1C221MNN6311 | |
| | 220 | 8×11.5 | 0.19 | 0.85 | 650 | EY1C221MNN08B5 | |
| | 330 | 8×11.5 | 0.12 | 0.52 | 760 | EY1C331MNN08B5 | |
| | 470 | 8×15 | 0.086 | 0.35 | 850 | EY1C471MNN0815 | |
| | 470 | 10×12.5 | 0.08 | 0.32 | 865 | EY1C471MNN10C5 | |
| | 680 | 8×20 | 0.069 | 0.27 | 1060 | EY1C681MNN0820 | |
| | 680 | 10×16 | 0.06 | 0.24 | 1210 | EY1C681MNN1016 | |
| | 820 | 10×20 | 0.052 | 0.22 | 1310 | EY1C821MNN1020 | |
| | 1000 | 10×20 | 0.045 | 0.18 | 1410 | EY1C102MNN1020 | |
| | 1000 | 12.5×16 | 0.05 | 0.16 | 1450 | EY1C102MNN1216 | |
| | 1200 | 10×25 | 0.043 | 0.17 | 1650 | EY1C122MNN1025 | |
| | 1500 | 10×30 | 0.03 | 0.12 | 1920 | EY1C152MNN1030 | |
| | 1500 | 12.5×20 | 0.035 | 0.12 | 1910 | EY1C152MNN1220 | |
| | 1500 | 16×16 | 0.042 | 0.12 | 1940 | EY1C152MNN1616 | |
| | 1800 | 12.5×25 | 0.028 | 0.095 | 2140 | EY1C182MNN1225 | |
| | 2200 | 12.5×25 | 0.026 | 0.089 | 2240 | EY1C222MNN1225 | |
| | 2200 | 18×15 | 0.042 | 0.11 | 2220 | EY1C222MNN1815 | |
| | 2700 | 12.5×30 | 0.023 | 0.077 | 2650 | EY1C272MNN1230 | |
| | 2700 | 16×20 | 0.026 | 0.078 | 2540 | EY1C272MNN1620 | |
| | 3300 | 12.5×35 | 0.02 | 0.066 | 2890 | EY1C332MNN1235W | |
| | 3900 | 12.5×40 | 0.016 | 0.056 | 3350 | EY1C392MNN1240W | |
| | 3900 | 16×25 | 0.021 | 0.06 | 2930 | EY1C392MNN1625 | |
| | 3900 | 16×20 | 0.025 | 0.067 | 2860 | EY1C392MNN1620 | |
| | 4700 | 16×31.5 | 0.016 | 0.05 | 3450 | EY1C472MNN16N3 | |
| | 4700 | 18×25 | 0.018 | 0.049 | 3150 | EY1C472MNN1825 | |
| | 5600 | 16×35.5 | 0.015 | 0.044 | 3620 | EY1C562MNN16P1 | |
| | 5600 | 18×31.5 | 0.015 | 0.04 | 4180 | EY1C562MNN18N3 | |
| | 6800 | 16×40 | 0.012 | 0.038 | 4080 | EY1C682MNN1640 | |
| | 8200 | 18×35.5 | 0.014 | 0.038 | 4230 | EY1C822MNN18P1 | |
| | 18000 | 18×40 | 0.011 | 0.032 | 4290 | EY1C183MNN1840 | |
| | 25 (1E) | 10 | 5×11 | 1.1 | 3.02 | 100 | EY1E100MNN0511 |
| | | 22 | 5×11 | 0.7 | 2.8 | 140 | EY1E220MNN0511 |
| | | 47 | 5×11 | 0.57 | 2.3 | 205 | EY1E470MNN0511 |
| 56 | | 5×11 | 0.57 | 2.3 | 240 | EY1E560MNN0511 | |
| 100 | | 6.3×11 | 0.21 | 0.87 | 360 | EY1E101MNN6311 | |
| 220 | | 8×11.5 | 0.12 | 0.52 | 650 | EY1E221MNN08B5 | |
| 330 | | 8×15 | 0.087 | 0.35 | 850 | EY1E331MNN0815 | |
| 330 | | 10×12.5 | 0.081 | 0.32 | 870 | EY1E331MNN10C5 | |
| 470 | | 8×20 | 0.07 | 0.27 | 1050 | EY1E471MNN0820 | |
| 470 | | 10×16 | 0.06 | 0.24 | 1210 | EY1E471MNN1016 | |
| 680 | | 10×20 | 0.045 | 0.18 | 1410 | EY1E681MNN1020 | |
| 680 | | 12.5×16 | 0.049 | 0.16 | 1460 | EY1E681MNN1216 | |
| 820 | | 10×25 | 0.041 | 0.17 | 1660 | EY1E821MNN1025 | |
| 1000 | | 10×30 | 0.03 | 0.12 | 1920 | EY1E102MNN1030 | |
| 1000 | | 12.5×20 | 0.034 | 0.12 | 1910 | EY1E102MNN1220 | |
| 1000 | | 16×16 | 0.042 | 0.12 | 1940 | EY1E102MNN1616 | |
| 1200 | | 18×15 | 0.043 | 0.11 | 2220 | EY1E122MNN1815 | |
| 1500 | | 12.5×25 | 0.026 | 0.089 | 2240 | EY1E152MNN1225 | |
| 1800 | | 12.5×30 | 0.024 | 0.078 | 2660 | EY1E182MNN1230 | |

ALUMINUM ELECTROLYTIC CAPACITORS



EY Series

◆ STANDARD RATINGS

| WV (Vdc) | Cap (μF) | Case Size (mm) ΦD×L | IMPD. (Ωmax/100kHz) | | Rated Ripple current (mA rms/105°C, 100kHz) | Part Number |
|----------|----------|---------------------|---------------------|-------|---|-----------------|
| | | | 20°C | -10°C | | |
| 25 (1E) | 1800 | 16×20 | 0.026 | 0.078 | 2540 | EY1E182MNN1620 |
| | 2200 | 12.5×35 | 0.02 | 0.065 | 2890 | EY1E222MNN1235W |
| | 2200 | 18×20 | 0.025 | 0.066 | 2870 | EY1E222MNN1820 |
| | 2700 | 12.5×40 | 0.016 | 0.056 | 3360 | EY1E272MNN1240W |
| | 2700 | 16×25 | 0.021 | 0.06 | 2940 | EY1E272MNN1625 |
| | 3300 | 16×30 | 0.016 | 0.05 | 3460 | EY1E332MNN1630 |
| | 3300 | 18×25 | 0.018 | 0.048 | 3150 | EY1E332MNN1825 |
| | 3900 | 16×35.5 | 0.014 | 0.043 | 3620 | EY1E392MNN16P1 |
| | 3900 | 18×31.5 | 0.015 | 0.04 | 4180 | EY1E392MNN18N3 |
| | 4700 | 16×40 | 0.012 | 0.038 | 4090 | EY1E472MNN1640 |
| | 4700 | 18×35.5 | 0.013 | 0.038 | 4230 | EY1E472MNN18P1 |
| 5600 | 18×40 | 0.011 | 0.032 | 4290 | EY1E562MNN1840 | |
| 35 (1V) | 33 | 5×11 | 0.56 | 2.3 | 220 | EY1V330MNN0511 |
| | 47 | 6.3×11 | 0.35 | 1.4 | 280 | EY1V470MNN6311 |
| | 56 | 6.3×11 | 0.21 | 0.86 | 340 | EY1V560MNN6311 |
| | 100 | 8×11.5 | 0.15 | 0.56 | 510 | EY1V101MNN08B5 |
| | 150 | 8×11.5 | 0.13 | 0.52 | 650 | EY1V151MNN08B5 |
| | 220 | 8×15 | 0.086 | 0.35 | 850 | EY1V221MNN0815 |
| | 330 | 10×16 | 0.06 | 0.24 | 1210 | EY1V331MNN1016 |
| | 470 | 10×20 | 0.045 | 0.18 | 1410 | EY1V471MNN1020 |
| | 560 | 10×25 | 0.041 | 0.16 | 1670 | EY1V561MNN1025 |
| | 680 | 10×30 | 0.03 | 0.12 | 1920 | EY1V681MNN1030 |
| | 820 | 12.5×25 | 0.029 | 0.095 | 2050 | EY1V821MNN1225 |
| | 1000 | 12.5×25 | 0.028 | 0.088 | 2250 | EY1V102MNN1225 |
| | 1200 | 12.5×30 | 0.023 | 0.078 | 2660 | EY1V122MNN1230 |
| | 1500 | 12.5×35 | 0.02 | 0.065 | 2890 | EY1V152MNN1235W |
| | 2200 | 16×31.5 | 0.016 | 0.056 | 3470 | EY1V222MNN16N3 |
| 2700 | 18×35.5 | 0.015 | 0.044 | 3620 | EY1V272MNN18P1 | |
| 3300 | 16×40 | 0.013 | 0.038 | 4090 | EY1V332MNN1640 | |
| 3900 | 18×40 | 0.012 | 0.033 | 4290 | EY1V392MNN1840 | |
| 50 (1H) | 10 | 5×11 | 1.3 | 2.8 | 135 | EY1H100MNN0511 |
| | 22 | 5×11 | 0.7 | 2.5 | 190 | EY1H220MNN0511 |
| | 33 | 6.3×11 | 0.6 | 1.9 | 225 | EY1H330MNN6311 |
| | 47 | 6.3×11 | 0.38 | 1.5 | 230 | EY1H470MNN6311 |
| | 56 | 8×11.5 | 0.3 | 1.2 | 300 | EY1H560MNN08B5 |
| | 100 | 8×11.5 | 0.16 | 0.67 | 560 | EY1H101MNN08B5 |
| | 150 | 8×15 | 0.12 | 0.48 | 740 | EY1H151MNN0815 |
| | 220 | 10×16 | 0.083 | 0.34 | 1060 | EY1H221MNN1016 |
| | 330 | 10×25 | 0.053 | 0.22 | 1460 | EY1H331MNN1025 |

| WV (Vdc) | Cap (μF) | Case Size (mm) ΦD×L | IMPD. (Ωmax/100kHz) | | Rated Ripple current (mA rms/105°C, 100kHz) | Part Number | |
|----------|----------|---------------------|---------------------|-------|---|-----------------|----------------|
| | | | 20°C | -10°C | | | |
| 50 (1H) | 470 | 12.5×20 | 0.044 | 0.15 | 1670 | EY1H471MNN1220 | |
| | 560 | 12.5×25 | 0.033 | 0.11 | 1960 | EY1H561MNN1225 | |
| | 680 | 12.5×30 | 0.03 | 0.1 | 2320 | EY1H681MNN1230 | |
| | 820 | 12.5×35 | 0.023 | 0.081 | 2530 | EY1H821MNN1235W | |
| | 1000 | 16×25 | 0.025 | 0.075 | 2565 | EY1H102MNN1625 | |
| | 1200 | 16×31.5 | 0.021 | 0.066 | 3020 | EY1H122MNN16N3 | |
| | 1500 | 16×35.5 | 0.018 | 0.056 | 3160 | EY1H152MNN16P1 | |
| | 2200 | 18×35.5 | 0.017 | 0.046 | 3690 | EY1H222MNN18P1 | |
| | 2700 | 18×40 | 0.014 | 0.038 | 3810 | EY1H272MNN1840 | |
| | 63 (1J) | 15 | 5×11 | 2.2 | 9.2 | 56 | EY1J150MNN0511 |
| | | 33 | 6.3×11 | 1.2 | 5 | 120 | EY1J330MNN6311 |
| 47 | | 8×11.5 | 0.68 | 3.1 | 190 | EY1J470MNN08B5 | |
| 68 | | 8×11.5 | 0.6 | 2.9 | 255 | EY1J680MNN08B5 | |
| 100 | | 10×16 | 0.35 | 1.8 | 320 | EY1J101MNN1016 | |
| 120 | | 10×16 | 0.3 | 1.5 | 355 | EY1J121MNN1016 | |
| 180 | | 10×20 | 0.2 | 0.94 | 470 | EY1J181MNN1020 | |
| 220 | | 10×25 | 0.2 | 0.84 | 535 | EY1J221MNN1025 | |
| 330 | | 12.5×25 | 0.12 | 0.45 | 790 | EY1J331MNN1225 | |
| 470 | | 12.5×30 | 0.1 | 0.42 | 910 | EY1J471MNN1230 | |
| 560 | | 12.5×35 | 0.082 | 0.35 | 1050 | EY1J561MNN1235W | |
| 680 | | 12.5×40 | 0.07 | 0.3 | 1190 | EY1J681MNN1240W | |
| 820 | | 16×31.5 | 0.053 | 0.2 | 1580 | EY1J821MNN16N3 | |
| 1000 | | 18×35.5 | 0.045 | 0.17 | 1790 | EY1J102MNN18P1 | |
| 1200 | | 16×40 | 0.04 | 0.15 | 2020 | EY1J122MNN1640 | |
| 1500 | 18×40 | 0.035 | 0.13 | 2340 | EY1J152MNN1840 | | |
| 100 (2A) | 6.8 | 5×11 | 2.2 | 9.2 | 56 | EY2A688MNN0511 | |
| | 15 | 6.3×11 | 1.2 | 5 | 120 | EY2A150MNN6311 | |
| | 33 | 8×15 | 0.58 | 3.2 | 160 | EY2A330MNN0815 | |
| | 47 | 10×12.5 | 0.43 | 1.8 | 290 | EY2A470MNN10C5 | |
| | 68 | 10×16 | 0.3 | 1.5 | 350 | EY2A680MNN1016 | |
| | 100 | 10×25 | 0.2 | 0.84 | 535 | EY2A101MNN1025 | |
| | 120 | 10×30 | 0.15 | 0.71 | 665 | EY2A121MNN1030 | |
| | 180 | 12.5×25 | 0.12 | 0.45 | 790 | EY2A181MNN1225 | |
| | 220 | 12.5×30 | 0.1 | 0.42 | 905 | EY2A221MNN1230 | |
| | 330 | 12.5×40 | 0.07 | 0.3 | 1190 | EY2A331MNN1240W | |
| | 470 | 16×35.5 | 0.045 | 0.17 | 1790 | EY2A471MNN16P1 | |
| | 560 | 16×40 | 0.04 | 0.15 | 2030 | EY2A561MNN1640 | |
| | 680 | 18×35.5 | 0.04 | 0.15 | 2100 | EY2A681MNN18P1 | |
| | 820 | 18×40 | 0.036 | 0.13 | 2340 | EY2A821MNN1840 | |

◆ RIPPLE CURRENT MULTIPLIERS

Frequency Multipliers

| Vdc | Cap(μF) | Frequency (Hz) | | | |
|-----------|--------------|----------------|------|------|------|
| | | 120 | 1K | 10K | 100K |
| 6.3 ~ 100 | 6.8 ~ 68 | 0.30 | 0.55 | 0.80 | 1.00 |
| | 82 ~ 220 | 0.40 | 0.60 | 0.85 | 1.00 |
| | 330 ~ 820 | 0.50 | 0.65 | 0.90 | 1.00 |
| | 1000 ~ 18000 | 0.60 | 0.70 | 0.95 | 1.00 |