# 大形アルミニウム電解コンデンサ
LARGE CAN TYPE ALUMINUM ELECTROLYTIC CAPACITORS

**MXR**

## MXR シリーズ SERIES

基板自立形105℃標準品
105℃ Standard, Snap-in Terminal Type

### ◆特　長　FEATURES

- 105℃3000時間品。
  Load Life : 105℃ 3000 hours.
- 従来のMXPシリーズを小形・高リプル化。
  Smaller size with higher ripple current endurance than MXP series.

### ◆規格表　SPECIFICATIONS

| 項　目　Items | 特　性　Characteristics | |
|---|---|---|
| カテゴリ温度範囲 Category Temperature Range | −40〜+105℃ | −25〜+105℃ |
| 定格電圧範囲 Rated Voltage Range | 10〜100V.DC | 160〜450V.DC |
| 静電容量許容差 Capacitance Tolerance | ±20%（20℃，120Hz） | |
| 漏れ電流 Leakage Current(MAX) | I＝3√CV（定格電圧印加5分後）<br>I＝3√CV (After 5 minutes application of rated voltage)<br>I＝漏れ電流(μA) Leakage Current　V＝定格電圧(V) Rated Voltage　C＝定格静電容量(μF) Rated Capacitance | |

**損失角の正接(tanδ) Dissipation Factor(MAX)**　（20℃，120Hz）

| 定格電圧(V) Rated Voltage | 10 | 16 | 25 | 35 | 50 | 63 | 80 | 100 | 160〜250 | 315〜450 |
|---|---|---|---|---|---|---|---|---|---|---|
| tanδ | 0.55 | 0.50 | 0.45 | 0.40 | 0.35 | 0.30 | 0.25 | 0.20 | 0.15 | 0.15 |

**インピーダンス比 Impedance Ratio(MAX)**　（120Hz）

| 定格電圧(V) Rated Voltage | 10〜100 | 160〜250 | 315〜450 |
|---|---|---|---|
| Z(−25℃)/Z(20℃) | 3 | 3 | 8 |
| Z(−40℃)/Z(20℃) | 12 | | |

**耐久性 Endurance**

105℃中で3000時間定格電圧（リプル重畳）印加後、下記項目を満足すること
After applying rated voltage with rated ripple current for 3000hrs at 105℃, the capacitors shall meet the following requirements.

| | |
|---|---|
| 静電容量変化率 Capacitance Change | 初期値の±20%以内 Within ±20% of the initial value. |
| 損失角の正接 Dissipation Factor | 規格値の200%以下 Not more than 200% of the specified value. |
| 漏れ電流 Leakage Current | 規格値以下 Not more than the specified value. |

### ◆品番呼称方法　EXPLANATION OF PART NUMBER

| □□□ | MXR | □□□□□ | □ | □□□ | □□ | D×L |
|---|---|---|---|---|---|---|
| 定格電圧 Rated Voltage | シリーズ名 Series | 定格静電容量 Rated Capacitance | 静電容量許容差 Capacitance Tolerance | 副記号 Option | 端子記号 Terminal Code | ケースサイズ Case Size |

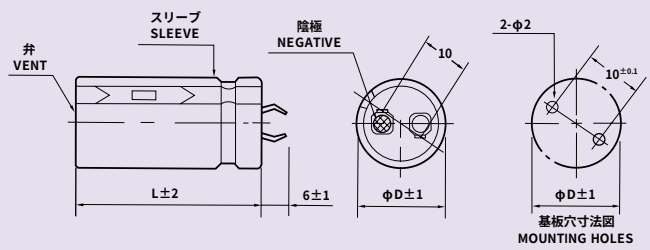
### ◆端子記号　Terminal Code

| | 記号 Code |
|---|---|
| 標準端子 Standard Terminal | なし Blank |
| 短端子 Short Terminal | ST |

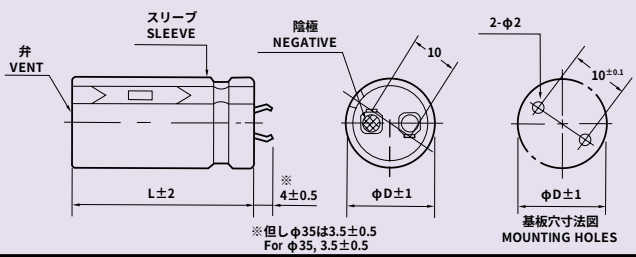
### ◆寸法図　DIMENSIONS

(mm)

●標準端子タイプ
Standard terminal type




●短端子タイプ
Short terminal type



# 大形アルミニウム電解コンデンサ
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MXR

### ◆寸法一覧表，定格リプル電流一覧表　STANDARD SIZE, RATED RIPPLE CURRENT

| WV / Cap (μF) / ΦD | 10 | | | | | | | | | | 16 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | φ20 | | φ22 | | φ25 | | φ30 | | φ35 | | φ20 | | φ22 | | φ25 | | φ30 | | φ35 | |
| 5600 | | | | | | | | | | | 20×25 | 1.68 | | | | | | | | |
| 6800 | 20×25 | 1.31 | | | | | | | | | 20×30 | 1.80 | 22×25 | 1.75 | | | | | | |
| 8200 | 20×30 | 1.59 | | | | | | | | | 20×35 | 2.08 | 22×30 | 2.00 | | | | | | |
| 10000 | 20×30 | 1.88 | 22×25 | 1.77 | | | | | | | 20×40 | 2.15 | 22×30 | 2.10 | 25×25 | 2.05 | | | | |
| 12000 | 20×35 | 2.18 | 22×30 | 2.10 | 25×25 | 1.94 | | | | | | | 22×35 | 2.31 | 25×30 | 2.30 | 30×25 | 2.30 | | |
| 15000 | 20×40 | 2.27 | 22×35 | 2.23 | 25×30 | 2.10 | | | | | | | 22×40 | 2.68 | 25×35 | 2.58 | 30×30 | 2.57 | | |
| 18000 | | | 22×40 | 2.41 | 25×30 | 2.34 | 30×25 | 2.25 | | | | | 22×50 | 3.20 | 25×40 | 3.16 | 30×30 | 2.98 | | |
| 22000 | | | 22×45 | 2.58 | 25×35 | 2.54 | 30×30 | 2.50 | | | | | | | 25×45 | 3.36 | 30×35 | 3.30 | 35×30 | 3.25 |
| 27000 | | | 22×50 | 3.17 | 25×40 | 3.07 | 30×30 | 2.95 | | | | | | | 25×50 | 3.85 | 30×40 | 3.80 | 35×35 | 3.93 |
| 33000 | | | | | 25×45 | 3.39 | 30×35 | 3.33 | 35×30 | 3.21 | | | | | | | 30×45 | 4.30 | 35×35 | 4.27 |
| 39000 | | | | | | | 30×40 | 3.70 | 35×35 | 3.68 | | | | | | | 30×50 | 4.81 | 35×40 | 4.80 |
| 47000 | | | | | | | 30×45 | 4.22 | 35×40 | 4.16 | | | | | | | | | 35×45 | 5.53 |
| 56000 | | | | | | | | | 35×45 | 5.00 | | | | | | | | | | |

| WV / Cap (μF) / ΦD | 25 | | | | | | | | | | 35 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | φ20 | | φ22 | | φ25 | | φ30 | | φ35 | | φ20 | | φ22 | | φ25 | | φ30 | | φ35 | |
| 2700 | | | | | | | | | | | 20×25 | 1.29 | | | | | | | | |
| 3300 | | | | | | | | | | | 20×30 | 1.57 | 22×25 | 1.45 | | | | | | |
| 3900 | 20×25 | 1.58 | | | | | | | | | 20×35 | 1.78 | 22×30 | 1.69 | | | | | | |
| 4700 | 20×30 | 1.65 | 22×25 | 1.61 | | | | | | | 20×40 | 2.02 | 22×35 | 2.02 | 25×25 | 1.62 | | | | |
| 5600 | 20×35 | 1.85 | 22×30 | 1.80 | | | | | | | | | 22×35 | 2.13 | 25×30 | 2.00 | | | | |
| 6800 | 20×40 | 2.11 | 22×35 | 2.09 | 25×25 | 1.87 | | | | | | | 22×40 | 2.41 | 25×35 | 2.31 | 30×25 | 2.31 | | |
| 8200 | | | 22×40 | 2.31 | 25×30 | 2.34 | 30×25 | 2.16 | | | | | 22×50 | 2.85 | 25×40 | 2.73 | 30×30 | 2.75 | | |
| 10000 | | | 22×45 | 2.65 | 25×35 | 2.61 | 30×30 | 2.61 | | | | | | | 25×45 | 3.05 | 30×35 | 3.05 | | |
| 12000 | | | 22×50 | 2.80 | 25×40 | 2.81 | 30×30 | 2.74 | | | | | | | 25×50 | 3.37 | 30×40 | 3.23 | 35×30 | 3.19 |
| 15000 | | | | | 25×45 | 3.27 | 30×35 | 3.13 | 35×30 | 3.26 | | | | | | | 30×45 | 3.72 | 35×35 | 3.67 |
| 18000 | | | | | | | 30×40 | 3.56 | 35×35 | 3.84 | | | | | | | | | 35×40 | 4.37 |
| 22000 | | | | | | | 30×45 | 4.04 | 35×35 | 3.75 | | | | | | | | | 35×45 | 4.92 |
| 27000 | | | | | | | | | 35×45 | 4.74 | | | | | | | | | | |
| 33000 | | | | | | | | | 35×50 | 5.50 | | | | | | | | | | |

| WV / Cap (μF) / ΦD | 50 | | | | | | | | | | 63 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | φ20 | | φ22 | | φ25 | | φ30 | | φ35 | | φ20 | | φ22 | | φ25 | | φ30 | | φ35 | |
| 1000 | | | | | | | | | | | 20×25 | 1.10 | | | | | | | | |
| 1200 | | | | | | | | | | | 20×30 | 1.20 | 22×25 | 1.20 | | | | | | |
| 1500 | 20×25 | 1.15 | | | | | | | | | 20×35 | 1.47 | 22×30 | 1.47 | | | | | | |
| 1800 | 20×30 | 1.39 | 22×25 | 1.34 | | | | | | | 20×35 | 1.58 | 22×30 | 1.58 | 25×25 | 1.52 | | | | |
| 2200 | 20×35 | 1.60 | 22×30 | 1.60 | | | | | | | 20×40 | 1.80 | 22×35 | 1.82 | 25×30 | 1.75 | | | | |
| 2700 | 20×35 | 1.73 | 22×30 | 1.70 | 25×25 | 1.70 | | | | | | | 22×40 | 2.07 | 25×35 | 2.11 | 30×25 | 1.72 | | |
| 3300 | 20×40 | 1.97 | 22×35 | 1.97 | 25×30 | 1.88 | | | | | | | 22×45 | 2.33 | 25×35 | 2.27 | 30×30 | 2.24 | | |
| 3900 | | | 22×40 | 2.22 | 25×30 | 2.20 | 30×25 | 1.95 | | | | | | | 25×40 | 2.51 | 30×35 | 2.55 | | |
| 4700 | | | 22×45 | 2.43 | 25×35 | 2.43 | 30×30 | 2.25 | | | | | | | 25×50 | 2.97 | 30×40 | 2.86 | 35×30 | 2.80 |
| 5600 | | | 22×50 | 2.75 | 25×40 | 2.72 | 30×30 | 2.64 | | | | | | | | | 30×40 | 3.22 | 35×35 | 3.20 |
| 6800 | | | | | 25×45 | 3.30 | 30×35 | 3.30 | 35×30 | 3.25 | | | | | | | 30×50 | 3.65 | 35×40 | 3.65 |
| 8200 | | | | | | | 30×40 | 3.60 | 35×35 | 3.60 | | | | | | | | | 35×45 | 4.04 |
| 10000 | | | | | | | 30×50 | 4.05 | 35×40 | 4.04 | | | | | | | | | 35×50 | 4.48 |
| 12000 | | | | | | | | | 35×45 | 4.56 | | | | | | | | | | |
| 15000 | | | | | | | | | 35×50 | 4.77 | | | | | | | | | | |

| WV / Cap (μF) / ΦD | 80 | | | | | | | | | | 100 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | φ20 | | φ22 | | φ25 | | φ30 | | φ35 | | φ20 | | φ22 | | φ25 | | φ30 | | φ35 | |
| 560 | | | | | | | | | | | 20×25 | 0.95 | | | | | | | | |
| 680 | | | | | | | | | | | 20×30 | 1.15 | 22×25 | 1.09 | | | | | | |
| 820 | 20×25 | 1.04 | | | | | | | | | 20×35 | 1.31 | 22×30 | 1.32 | | | | | | |
| 1000 | 20×30 | 1.24 | 22×25 | 1.19 | | | | | | | 20×35 | 1.43 | 22×30 | 1.47 | 25×25 | 1.45 | | | | |
| 1200 | 20×35 | 1.43 | 22×30 | 1.44 | | | | | | | 20×40 | 1.61 | 22×35 | 1.69 | 25×30 | 1.68 | | | | |
| 1500 | 20×35 | 1.57 | 22×30 | 1.59 | 25×25 | 1.59 | | | | | | | 22×40 | 1.97 | 25×35 | 1.98 | 30×25 | 1.95 | | |
| 1800 | 20×40 | 1.77 | 22×35 | 1.79 | 25×30 | 1.71 | | | | | | | 22×45 | 2.23 | 25×40 | 2.20 | 30×30 | 2.20 | | |
| 2200 | | | 22×40 | 2.03 | 25×35 | 1.98 | 30×25 | 1.98 | | | | | | | 25×45 | 2.53 | 30×35 | 2.55 | 35×30 | 2.50 |
| 2700 | | | 22×45 | 2.39 | 25×40 | 2.35 | 30×30 | 2.35 | | | | | | | 25×50 | 2.82 | 30×40 | 2.86 | 35×35 | 2.89 |
| 3300 | | | | | 25×45 | 2.64 | 30×35 | 2.61 | 35×30 | 2.47 | | | | | | | 30×45 | 3.30 | 35×35 | 3.25 |
| 3900 | | | | | 25×50 | 2.92 | 30×40 | 2.82 | 35×30 | 2.97 | | | | | | | 30×50 | 3.60 | 35×40 | 3.67 |
| 4700 | | | | | | | 30×45 | 3.34 | 35×35 | 3.38 | | | | | | | | | 35×45 | 3.80 |
| 5600 | | | | | | | 30×50 | 3.80 | 35×40 | 3.80 | | | | | | | | | 35×50 | 4.05 |
| 6800 | | | | | | | | | 35×45 | 3.90 | | | | | | | | | | |
| 8200 | | | | | | | | | 35×50 | 4.20 | | | | | | | | | | |

リプル電流　Ripple Current A r.m.s./120Hz·105°C

ケースサイズ　Case Size φD$^{\pm1}$×L$^{\pm2}$(mm)

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## LARGE CAN TYPE ALUMINUM ELECTROLYTIC CAPACITORS

MXR

### ◆寸法一覧表，定格リプル電流一覧表　STANDARD SIZE, RATED RIPPLE CURRENT

| WV / Cap (μF) / φD | 160 | | | | | | | | | | 180 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | φ20 | | φ22 | | φ25 | | φ30 | | φ35 | | φ20 | | φ22 | | φ25 | | φ30 | | φ35 | |
| 220 | | | | | | | | | | | 20×25 | 0.81 | | | | | | | | |
| 270 | 20×25 | 0.87 | | | | | | | | | 20×30 | 0.95 | 22×25 | 0.97 | | | | | | |
| 330 | 20×30 | 1.02 | 22×25 | 1.03 | | | | | | | 20×35 | 1.09 | 22×30 | 1.13 | | | | | | |
| 390 | 20×35 | 1.15 | 22×30 | 1.17 | | | | | | | 20×35 | 1.28 | 22×30 | 1.32 | 25×25 | 1.33 | | | | |
| 470 | 20×40 | 1.25 | 22×30 | 1.28 | 25×25 | 1.29 | | | | | 20×40 | 1.34 | 22×35 | 1.39 | 25×30 | 1.43 | | | | |
| 560 | | | 22×35 | 1.45 | 25×30 | 1.49 | | | | | | | 22×40 | 1.56 | 25×30 | 1.53 | 30×25 | 1.56 | | |
| 680 | | | 22×40 | 1.64 | 25×35 | 1.70 | 30×25 | 1.63 | | | | | 22×45 | 1.76 | 25×35 | 1.76 | 30×30 | 1.74 | | |
| 820 | | | 22×45 | 1.85 | 25×40 | 1.92 | 30×30 | 1.91 | | | | | 22×50 | 1.97 | 25×40 | 1.99 | 30×30 | 1.93 | | |
| 1000 | | | | | 25×45 | 2.17 | 30×35 | 2.19 | | | | | | | 25×45 | 2.24 | 30×35 | 2.24 | 35×30 | 2.20 |
| 1200 | | | | | 25×50 | 2.43 | 30×40 | 2.48 | 35×30 | 2.25 | | | | | | | 30×40 | 2.53 | 35×35 | 2.54 |
| 1500 | | | | | | | 30×45 | 2.82 | 35×35 | 2.62 | | | | | | | 30×50 | 3.03 | 35×40 | 2.91 |
| 1800 | | | | | | | 30×50 | 3.13 | 35×40 | 2.97 | | | | | | | | | 35×45 | 3.25 |
| 2200 | | | | | | | | | 35×45 | 3.34 | | | | | | | | | 35×50 | 3.62 |

| WV / Cap (μF) / φD | 200 | | | | | | | | | | 220 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | φ20 | | φ22 | | φ25 | | φ30 | | φ35 | | φ20 | | φ22 | | φ25 | | φ30 | | φ35 | |
| 180 | | | | | | | | | | | 20×25 | 0.81 | | | | | | | | |
| 220 | 20×25 | 0.83 | | | | | | | | | 20×30 | 0.94 | 22×25 | 0.94 | | | | | | |
| 270 | 20×30 | 0.97 | 22×25 | 0.99 | | | | | | | 20×35 | 1.10 | 22×30 | 1.09 | | | | | | |
| 330 | 20×35 | 1.17 | 22×30 | 1.20 | 25×25 | 1.20 | | | | | 20×40 | 1.18 | 22×35 | 1.24 | 25×25 | 1.14 | | | | |
| 390 | 20×40 | 1.27 | 22×35 | 1.30 | 25×30 | 1.34 | | | | | 20×45 | 1.33 | 22×35 | 1.30 | 25×25 | 1.26 | | | | |
| 470 | | | 22×40 | 1.44 | 25×30 | 1.44 | 30×25 | 1.48 | | | | | 22×40 | 1.41 | 25×30 | 1.39 | 30×25 | 1.37 | | |
| 560 | | | 22×45 | 1.60 | 25×35 | 1.60 | 30×30 | 1.60 | | | | | 22×45 | 1.60 | 25×35 | 1.56 | 30×30 | 1.61 | 35×25 | 1.52 |
| 680 | | | 22×50 | 1.75 | 25×40 | 1.76 | 30×30 | 1.74 | | | | | | | 25×40 | 1.75 | 30×35 | 1.76 | 35×30 | 1.72 |
| 820 | | | | | 25×45 | 2.10 | 30×35 | 2.11 | 35×30 | 2.10 | | | | | 25×45 | 1.97 | 30×40 | 2.06 | 35×30 | 1.95 |
| 1000 | | | | | 25×50 | 2.36 | 30×40 | 2.40 | 35×35 | 2.30 | | | | | | | 30×45 | 2.44 | 35×35 | 2.20 |
| 1200 | | | | | | | 30×45 | 2.69 | 35×35 | 2.53 | | | | | | | | | 35×40 | 2.37 |
| 1500 | | | | | | | | | 35×40 | 2.97 | | | | | | | | | 35×45 | 2.64 |
| 1800 | | | | | | | | | 35×50 | 3.45 | | | | | | | | | | |

| WV / Cap (μF) / φD | 250 | | | | | | | | | | 315 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | φ20 | | φ22 | | φ25 | | φ30 | | φ35 | | φ20 | | φ22 | | φ25 | | φ30 | | φ35 | |
| 82 | | | | | | | | | | | 20×25 | 0.39 | | | | | | | | |
| 100 | | | | | | | | | | | 20×30 | 0.45 | | | | | | | | |
| 120 | | | | | | | | | | | 20×30 | 0.54 | 22×25 | 0.56 | | | | | | |
| 150 | 20×25 | 0.71 | | | | | | | | | 20×35 | 0.64 | 22×30 | 0.66 | 25×25 | 0.65 | | | | |
| 180 | 20×30 | 0.82 | 22×25 | 0.84 | | | | | | | 20×40 | 0.75 | 22×35 | 0.78 | 25×30 | 0.71 | | | | |
| 220 | 20×35 | 0.95 | 22×30 | 0.97 | 25×25 | 0.99 | | | | | | | 22×40 | 0.89 | 25×30 | 0.85 | 30×25 | 0.83 | | |
| 270 | 20×40 | 1.08 | 22×35 | 1.11 | 25×30 | 1.15 | | | | | | | 22×45 | 1.01 | 25×35 | 0.98 | 30×30 | 1.01 | | |
| 330 | | | 22×40 | 1.26 | 25×30 | 1.26 | 30×25 | 1.31 | | | | | 22×50 | 1.14 | 25×40 | 1.12 | 30×35 | 1.21 | | |
| 390 | | | 22×45 | 1.41 | 25×35 | 1.42 | 30×30 | 1.50 | | | | | | | 25×45 | 1.31 | 30×35 | 1.30 | 35×30 | 1.23 |
| 470 | | | 22×50 | 1.58 | 25×40 | 1.61 | 30×30 | 1.61 | | | | | | | | | 30×40 | 1.53 | 35×35 | 1.47 |
| 560 | | | | | 25×45 | 1.80 | 30×35 | 1.84 | | | | | | | | | 30×45 | 1.65 | 35×40 | 1.66 |
| 680 | | | | | 25×50 | 2.03 | 30×40 | 2.09 | 35×30 | 1.96 | | | | | | | | | 35×45 | 1.96 |
| 820 | | | | | | | 30×45 | 2.35 | 35×35 | 2.26 | | | | | | | | | 35×50 | 2.19 |
| 1000 | | | | | | | 30×50 | 2.64 | 35×40 | 2.57 | | | | | | | | | | |
| 1200 | | | | | | | | | 35×45 | 2.88 | | | | | | | | | | |

| WV / Cap (μF) / φD | 350 | | | | | | | | | | 385 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | φ20 | | φ22 | | φ25 | | φ30 | | φ35 | | φ20 | | φ22 | | φ25 | | φ30 | | φ35 | |
| 56 | | | | | | | | | | | 20×25 | 0.37 | | | | | | | | |
| 68 | 20×25 | 0.41 | | | | | | | | | 20×30 | 0.44 | 22×25 | 0.45 | | | | | | |
| 82 | 20×30 | 0.45 | | | | | | | | | 20×30 | 0.50 | 22×30 | 0.52 | | | | | | |
| 100 | 20×30 | 0.51 | 22×25 | 0.53 | | | | | | | 20×35 | 0.56 | 22×30 | 0.58 | 25×25 | 0.57 | | | | |
| 120 | 20×35 | 0.59 | 22×30 | 0.61 | 25×25 | 0.62 | | | | | 20×40 | 0.66 | 22×35 | 0.68 | 25×30 | 0.68 | | | | |
| 150 | 20×40 | 0.70 | 22×35 | 0.73 | 25×30 | 0.73 | | | | | | | 22×40 | 0.79 | 25×30 | 0.78 | 30×25 | 0.75 | | |
| 180 | | | 22×40 | 0.83 | 25×30 | 0.80 | 30×25 | 0.81 | | | | | 22×45 | 0.89 | 25×35 | 0.86 | 30×30 | 0.88 | | |
| 220 | | | 22×45 | 0.94 | 25×35 | 0.92 | 30×30 | 0.98 | | | | | 22×50 | 1.01 | 25×40 | 1.00 | 30×30 | 1.00 | | |
| 270 | | | 22×50 | 1.07 | 25×40 | 1.05 | 30×30 | 1.03 | | | | | | | 25×45 | 1.13 | 30×40 | 1.14 | 35×30 | 1.10 |
| 330 | | | | | 25×45 | 1.24 | 30×35 | 1.24 | 35×30 | 1.18 | | | | | | | 30×45 | 1.31 | 35×35 | 1.32 |
| 390 | | | | | 25×50 | 1.38 | 30×40 | 1.39 | 35×35 | 1.39 | | | | | | | 30×50 | 1.48 | 35×40 | 1.48 |
| 470 | | | | | | | 30×45 | 1.57 | 35×35 | 1.50 | | | | | | | | | 35×45 | 1.76 |
| 560 | | | | | | | 30×50 | 1.75 | 35×40 | 1.69 | | | | | | | | | 35×50 | 1.95 |
| 680 | | | | | | | | | 35×45 | 1.96 | | | | | | | | | | |

リプル電流　Ripple Current A r.m.s./120Hz·105°C

ケースサイズ　Case Size φD$^{\pm1}$×L$^{\pm2}$(mm)

# 大形アルミニウム電解コンデンサ　MXR
## LARGE CAN TYPE ALUMINUM ELECTROLYTIC CAPACITORS

### ◆寸法一覧表，定格リプル電流一覧表　STANDARD SIZE, RATED RIPPLE CURRENT

| WV / Cap (μF) / ΦD | 400 | | | | | | | | | | 420 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | φ20 | | φ22 | | φ25 | | φ30 | | φ35 | | φ20 | | φ22 | | φ25 | | φ30 | | φ35 | |
| 56 | 20×25 | 0.40 | | | | | | | | | 20×25 | 0.40 | | | | | | | | |
| 68 | 20×30 | 0.48 | 22×25 | 0.49 | | | | | | | 20×30 | 0.48 | 22×25 | 0.50 | | | | | | |
| 82 | 20×30 | 0.54 | 22×30 | 0.56 | | | | | | | 20×35 | 0.53 | 22×30 | 0.56 | 25×25 | 0.56 | | | | |
| 100 | 20×35 | 0.60 | 22×30 | 0.62 | 25×25 | 0.61 | | | | | 20×35 | 0.58 | 22×30 | 0.63 | 25×25 | 0.63 | | | | |
| 120 | 20×40 | 0.71 | 22×35 | 0.73 | 25×30 | 0.73 | | | | | 20×45 | 0.71 | 22×35 | 0.73 | 25×30 | 0.72 | 30×25 | 0.75 | | |
| 150 | | | 22×40 | 0.85 | 25×35 | 0.85 | 30×25 | 0.79 | | | | | 22×45 | 0.86 | 25×35 | 0.83 | 30×25 | 0.83 | | |
| 180 | | | 22×45 | 0.95 | 25×35 | 0.92 | 30×30 | 0.95 | | | | | 22×50 | 1.02 | 25×40 | 0.94 | 30×30 | 0.95 | 35×25 | 0.90 |
| 220 | | | 22×50 | 1.08 | 25×40 | 1.05 | 30×35 | 1.24 | | | | | | | 25×45 | 1.13 | 30×35 | 1.09 | 35×30 | 1.05 |
| 270 | | | | | 25×50 | 1.29 | 30×40 | 1.30 | 35×30 | 1.18 | | | | | 25×50 | 1.37 | 30×40 | 1.25 | 35×35 | 1.25 |
| 330 | | | | | | | 30×45 | 1.47 | 35×35 | 1.41 | | | | | | | 30×45 | 1.49 | 35×35 | 1.42 |
| 390 | | | | | | | 30×50 | 1.64 | 35×40 | 1.59 | | | | | | | 30×50 | 1.67 | 35×40 | 1.61 |
| 470 | | | | | | | | | 35×45 | 1.87 | | | | | | | | | 35×45 | 1.86 |
| 560 | | | | | | | | | 35×50 | 2.09 | | | | | | | | | | |

| WV / Cap (μF) / ΦD | 450 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | φ20 | | φ22 | | φ25 | | φ30 | | φ35 | |
| 47 | 20×25 | 0.36 | | | | | | | | |
| 56 | 20×30 | 0.41 | 22×25 | 0.42 | | | | | | |
| 68 | 20×35 | 0.47 | 22×30 | 0.50 | 25×25 | 0.50 | | | | |
| 82 | 20×40 | 0.53 | 22×35 | 0.56 | 25×30 | 0.57 | | | | |
| 100 | | | 22×40 | 0.64 | 25×30 | 0.63 | 30×25 | 0.67 | | |
| 120 | | | 22×45 | 0.72 | 25×35 | 0.71 | 30×30 | 0.77 | | |
| 150 | | | 22×50 | 0.80 | 25×40 | 0.82 | 30×30 | 0.85 | | |
| 180 | | | | | 25×45 | 0.93 | 30×35 | 0.97 | | |
| 220 | | | | | 25×50 | 1.05 | 30×40 | 1.10 | 35×30 | 1.01 |
| 270 | | | | | | | 30×45 | 1.25 | 35×35 | 1.26 |
| 330 | | | | | | | 30×50 | 1.42 | 35×40 | 1.44 |
| 390 | | | | | | | | | 35×45 | 1.61 |
| 470 | | | | | | | | | 35×50 | 1.80 |

リプル電流　Ripple Current A r.m.s./120Hz·105℃

ケースサイズ　Case Size φD$^{\pm1}$×L$^{\pm2}$(mm)

### ◆リプル電流補正係数　MULTIPLIER FOR RIPPLE CURRENT

(1) 温度係数　Temperature coefficient

| 周囲温度(℃) Ambient Temperature (℃) | 105 | 85 | 65≦ |
|---|---|---|---|
| 係　数 Coefficient | 1.0 | 1.7 | 2.1 |

(2) 周波数係数　Frequency coefficient

| 周波数(Hz) Frequency | | 60(50) | 120 | 500 | 1k | 10k≦ |
|---|---|---|---|---|---|---|
| 係　数 Coefficient | 10～100WV | 0.90 | 1.00 | 1.05 | 1.10 | 1.15 |
| | 160～250WV | 0.80 | 1.00 | 1.10 | 1.14 | 1.18 |
| | 315～450WV | 0.80 | 1.00 | 1.05 | 1.10 | 1.15 |