# リード線形アルミニウム電解コンデンサ
RADIAL LEAD ALUMINUM ELECTROLYTIC CAPACITORS

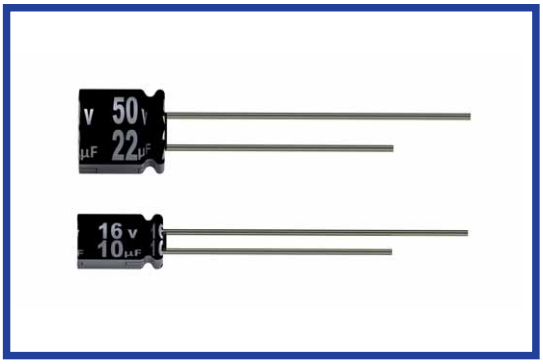
MH7

## MH7 シリーズ SERIES

**105℃ 高さ7mm品**
**105℃ 7mm Height**

・105℃　1000時間品。
Load Life : 105℃ 1000 hours.

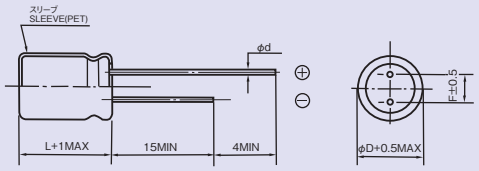
RoHS compliance




### ◆規格表／SPECIFICATIONS

| 項　目 Items | 特　性 Characteristics |
|---|---|
| カテゴリ温度範囲 Category Temperature Range | −40～+105℃ |
| 定格電圧範囲 Rated Voltage Range | 6.3～50Vdc |
| 静電容量許容差 Capacitance Tolerance | ±20%（20℃,120Hz） |
| 漏れ電流 Leakage Current(MAX) | I=0.01CV又は3μAのいずれか大なる値以下（定格電圧印加2分後）<br>I=0.01CV or 3μA whichever is greater. (After 2 minutes application of rated voltage)<br>I=漏れ電流(μA) Leakage Current　C=静電容量(μF) Capacitance　V=定格電圧(Vdc) Rated Voltage |
| 損失角の正接 (tanδ) Dissipation Factor(MAX) | 定格電圧(Vdc) Rated Voltage: 6.3 / 10 / 16 / 25 / 35 / 50<br>tanδ: 0.24 / 0.20 / 0.16 / 0.14 / 0.12 / 0.10　(20℃,120Hz) |
| 耐久性 Endurance | 105℃中で1000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。<br>After applying rated voltage with rated ripple current for 1000 hours at 105℃, the capacitors shall meet the following requirements.<br>静電容量変化率 Capacitance Change: 初期値の±25%以内 Within ±25% of the initial value.<br>損失角の正接 Dissipation Factor: 規格値の200%以下 Not more than 200% of the specified value.<br>漏れ電流 Leakage Current: 規格値以下 Not more than the specified value. |
| 低温特性 Low Temperature Stability (インピーダンス比) Impedance Ratio(MAX) | 定格電圧(Vdc) Rated Voltage: 6.3 / 10 / 16 / 25 / 35 / 50<br>Z(−25℃)/Z(20℃): 3 / 2 / 2 / 2 / 2 / 2<br>Z(−40℃)/Z(20℃): 6 / 5 / 4 / 3 / 3 / 3　(120Hz) |

### ◆寸法図／DIMENSIONS (mm)




| φD | 4 | 5 | 6.3 |
|---|---|---|---|
| φd | 0.45 | | |
| F | 1.5 | 2.0 | 2.5 |

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

| 周波数(Hz) Frequency | | 60(50) | 120 | 500 | 1k | 10k≦ |
|---|---|---|---|---|---|---|
| 係数 Coefficient | 1μF | 0.50 | 1.00 | 1.20 | 1.30 | 1.50 |
| | 2.2～4.7μF | 0.65 | 1.00 | 1.20 | 1.30 | 1.50 |
| | 10～47μF | 0.80 | 1.00 | 1.20 | 1.30 | 1.50 |
| | 100μF | 0.80 | 1.00 | 1.10 | 1.15 | 1.20 |

### ◆標準品一覧表／STANDARD SIZE　Size φD×L(mm), Rated Ripple Current (mA r.m.s./105℃, 120Hz)

| Vdc | Cap (μF) | Size (φDxL) | Rated Ripple Current |
|---|---|---|---|
| 6.3 | 22 | 4×7 | 34 |
| | 33 | 5×7 | 42 |
| | 47 | 5×7 | 50 |
| | 100 | 6.3×7 | 77 |
| 10 | 22 | 5×7 | 38 |
| | 33 | 5×7 | 47 |
| | 47 | 6.3×7 | 65 |
| | 100 | 6.3×7 | 87 |

| Vdc | Cap (μF) | Size (φDxL) | Rated Ripple Current |
|---|---|---|---|
| 16 | 10 | 4×7 | 29 |
| | 22 | 5×7 | 44 |
| | 33 | 6.3×7 | 60 |
| | 47 | 6.3×7 | 70 |
| | 100 | 6.3×7 | 91 |
| 25 | 10 | 5×7 | 33 |
| | 22 | 6.3×7 | 51 |
| | 33 | 6.3×7 | 65 |
| | 47 | 6.3×7 | 70 |

| Vdc | Cap (μF) | Size (φDxL) | Rated Ripple Current |
|---|---|---|---|
| 35 | 4.7 | 4×7 | 24 |
| | 10 | 5×7 | 36 |
| | 22 | 6.3×7 | 60 |
| | 33 | 6.3×7 | 65 |
| 50 | 1 | 4×7 | 10 |
| | 2.2 | 4×7 | 19 |
| | 3.3 | 4×7 | 24 |
| | 4.7 | 5×7 | 29 |
| | 10 | 6.3×7 | 44 |
| | 22 | 6.3×7 | 60 |

### ◆副記号／OPTION

| | 記号 Code |
|---|---|
| PETスリーブ PET Sleeve | EFC |

### ◆呼称方法　PART NUMBER

| □□□ | MH7 | □□□□□ | M | □□□ | □□ | D×L |
|---|---|---|---|---|---|---|
| 定格電圧 Rated Voltage | シリーズ名 Series | 静電容量 Capacitance | 静電容量許容差 Capacitance Tolerance | 副記号 Option | リード加工記号 Lead Forming | ケースサイズ Case Size |