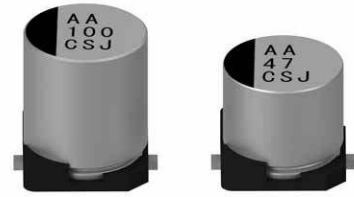


SJV シリーズ
SERIES

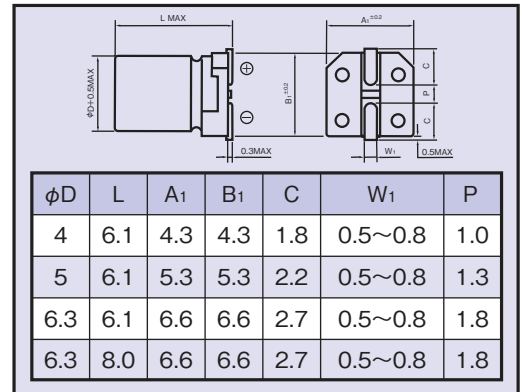
105°C 3000時間品
Load Life : 105°C 3000 hours

RoHS
compliance

新規採用非推奨品
NOT recommended for new designs



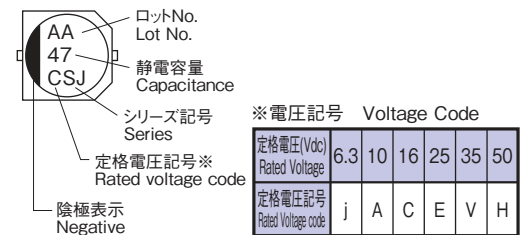
◆寸法図 / DIMENSIONS (mm)



◆規格表 / SPECIFICATIONS

| 項目 Items | 特性 Characteristics | | | | | | | |
|--|--|--|------|------|------|------|------|---------------|
| カテゴリ温度範囲 Category Temperature Range | -40~+105°C | | | | | | | |
| 定格電圧範囲 Rated Voltage Range | 6.3~50Vdc | | | | | | | |
| 静電容量許容差 Capacitance Tolerance | ±20% (20°C, 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) I=0.01CV or 3μA whichever is greater. (After 2 minutes application of 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 | (20°C, 120Hz) |
| | tanδ | 0.30 | 0.24 | 0.20 | 0.16 | 0.14 | 0.14 | |
| 耐久性 Endurance | 105°C中で3000時間定格電圧(リップル重畳)印加後、下記項目を満足すること。 After applying rated voltage with rated ripple current for 3000 hours at 105°C, the capacitors shall meet the following requirements. | | | | | | | |
| | 静電容量変化率 Capacitance Change | 初期値の±30%以内 Within ±30% of the initial value. | | | | | | |
| | 損失角の正接 Dissipation Factor | 規格値の300%以下 Not more than 300% of the specified value. | | | | | | |
| | 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 | (120Hz) |
| | Z(-25°C)/Z(20°C) | 4 | 3 | 2 | 2 | 2 | 2 | |
| | Z(-40°C)/Z(20°C) | 14 | 12 | 8 | 6 | 4 | 3 | |

◆表示 / MARKING



◆リップル電流補正係数 / MULTIPLIER FOR RIPPLE CURRENT

| 周波数 (Hz) Frequency | 60 (50) | 120 | 500 | 1k | 10k ≤ |
|-----------------------|---------|------|------|------|-------|
| 0.47~1μF | 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 |
| 100~220μF | 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°C, 120Hz)

| Vdc | Cap (μF) | Size (φD×L) | Rated Ripple Current |
|-----|----------|-------------|----------------------|
| 6.3 | 22 | 4×6.1 | 22 |
| | 47 | 5×6.1 | 38 |
| | 100 | 6.3×6.1 | 69 |
| | 220 | 6.3×8 | 120 |
| 10 | 33 | 5×6.1 | 35 |
| 16 | 10 | 4×6.1 | 18 |
| | 22 | 5×6.1 | 30 |
| | 47 | 6.3×6.1 | 50 |
| | 100 | 6.3×8 | 81 |

| Vdc | Cap (μF) | Size (φD×L) | Rated Ripple Current |
|-----|----------|-------------|----------------------|
| 25 | 33 | 6.3×6.1 | 50 |
| | 47 | 6.3×8 | 63 |
| 35 | 4.7 | 4×6.1 | 16 |
| | 10 | 5×6.1 | 27 |
| | 22 | 6.3×6.1 | 44 |
| | 33 | 6.3×8 | 57 |

| Vdc | Cap (μF) | Size (φD×L) | Rated Ripple Current |
|-----|----------|-------------|----------------------|
| 50 | 0.47 | 4×6.1 | 4 |
| | 1 | 4×6.1 | 8 |
| | 2.2 | 4×6.1 | 11 |
| | 3.3 | 4×6.1 | 14 |
| | 4.7 | 5×6.1 | 19 |
| | 10 | 6.3×6.1 | 32 |
| | 22 | 6.3×8 | 58 |

= 生産中止予定品
OBSOLETE PRODUCTS

◆呼称方法 / PART NUMBER

