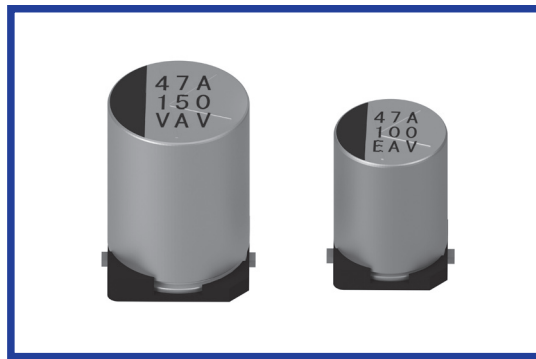


PAV 系列
SERIES

贴片型 105°C 3000小时品
Load Life : 105°C 3000 hours, Chip Type

- 高耐压 (~63Vdc)、超低ESR品、高波纹品。
High Voltage (~63Vdc), Ultra Low ESR, High Ripple Current.
- 可对应AEC-Q200。
AEC-Q200.



规格表 / SPECIFICATIONS

| 项目 Items | 特性 Characteristics | | | | | | |
|--|---|---|---|------------------------------|--|------------------------|---|
| 工作温度范围 Category Temperature Range | -55~+105°C | | | | | | |
| 额定电压范围 Rated Voltage Range | 25~63Vdc | | | | | | |
| 脉冲电压 Surge Voltage | 额定电压×1.15 Rated Voltage ×1.15 | | | | | | |
| 静电容量允许差 Capacitance Tolerance | ±20% (20°C, 120Hz) | | | | | | |
| 漏电流 Leakage Current(MAX) | 标准品一览表如下 (施加额定电压2分钟后) The value is shown in "STANDARD SIZE" table (After 2 minutes) | | | | | | |
| 损失角正切值 (tanδ) Dissipation Factor(MAX) | 0.12以下 (20°C, 120Hz) | | | | | | |
| 耐久性 Endurance | 在105°C中施加额定电压3000小时后, 满足以下各项。 After applying rated voltage for 3000 hours at 105°C, the capacitors shall meet the following requirements. | | | | | | |
| | <table border="1"> <tr> <td>静电容量变化率 Capacitance Change</td> <td>初期值的±20%以内 Within ±20% of the initial value.</td> </tr> <tr> <td>损失角正切值 Dissipation Factor</td> <td>规格值的150%以下 Not more than 150% of the specified value.</td> </tr> <tr> <td>漏电流 Leakage Current</td> <td>规格值以下 Not more than the specified value.</td> </tr> </table> | 静电容量变化率 Capacitance Change | 初期值的±20%以内 Within ±20% of the initial value. | 损失角正切值 Dissipation Factor | 规格值的150%以下 Not more than 150% of the specified value. | 漏电流 Leakage Current | 规格值以下 Not more than the specified value. |
| | 静电容量变化率 Capacitance Change | 初期值的±20%以内 Within ±20% of the initial value. | | | | | |
| 损失角正切值 Dissipation Factor | 规格值的150%以下 Not more than 150% of the specified value. | | | | | | |
| 漏电流 Leakage Current | 规格值以下 Not more than the specified value. | | | | | | |
| | | | | | | | |
| 高温高湿 (固定) Damp heat(Stady state) | 在60°C、90~95%RH中, 施加额定电压1000小时后, 满足下记各项。 After applying rated voltage for 1000 hours at 60°C and humidity of 90 to 95%, the capacitors shall meet the following requirements. | | | | | | |
| | <table border="1"> <tr> <td>静电容量变化率 Capacitance Change</td> <td>初期值的±20%以内 Within ±20% of the initial value.</td> </tr> <tr> <td>损失角正切值 Dissipation Factor</td> <td>规格值的150%以下 Not more than 150% of the specified value.</td> </tr> <tr> <td>漏电流 Leakage Current</td> <td>规格值以下 Not more than the specified value.</td> </tr> </table> | 静电容量变化率 Capacitance Change | 初期值的±20%以内 Within ±20% of the initial value. | 损失角正切值 Dissipation Factor | 规格值的150%以下 Not more than 150% of the specified value. | 漏电流 Leakage Current | 规格值以下 Not more than the specified value. |
| | 静电容量变化率 Capacitance Change | 初期值的±20%以内 Within ±20% of the initial value. | | | | | |
| 损失角正切值 Dissipation Factor | 规格值的150%以下 Not more than 150% of the specified value. | | | | | | |
| 漏电流 Leakage Current | 规格值以下 Not more than the specified value. | | | | | | |
| | | | | | | | |
| 低温特性 Low Temperature Characteristics (阻抗比) Impedance Ratio(MAX) | Z(-55°C)/Z(+20°C) ≤ 1.25 (100kHz) Z(-25°C)/Z(+20°C) ≤ 1.15 | | | | | | |

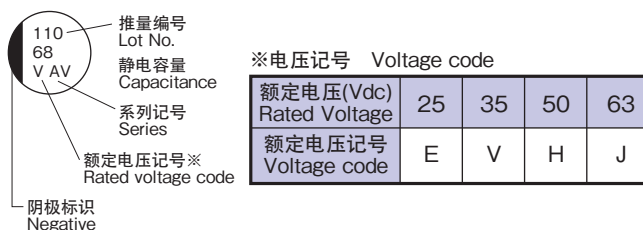
产品型号体系 / PART NUMBER



纹波电流修正系数 / MULTIPLIER FOR RIPPLE CURRENT

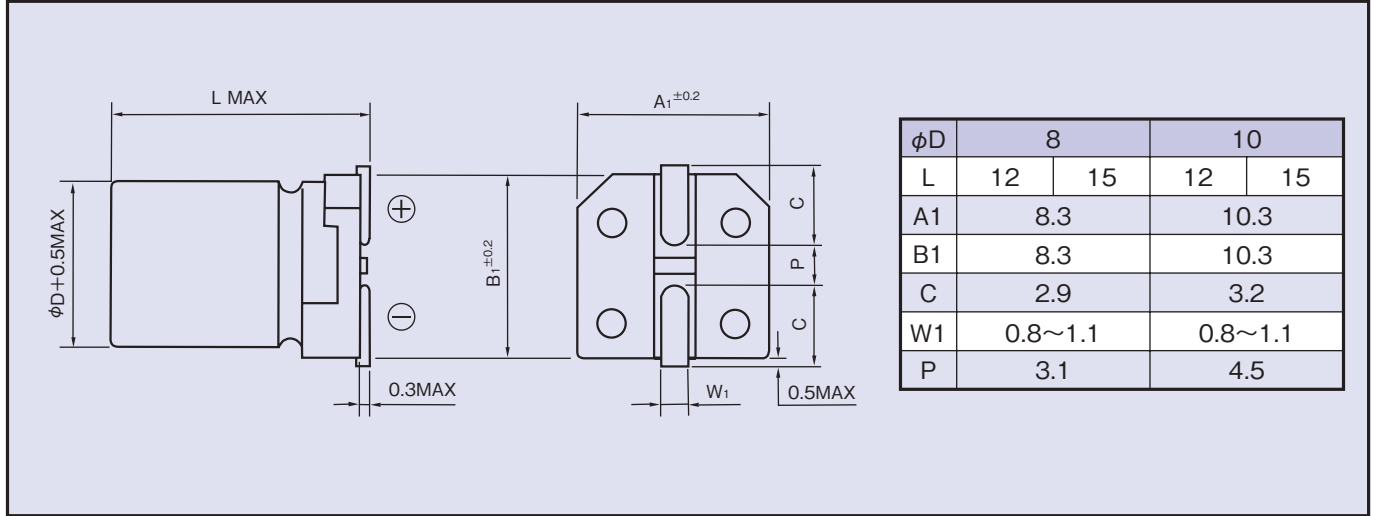
| 频率(Hz) Frequency | 120 | 1k | 10k | 100k≤ |
|---------------------|------|------|------|-------|
| 系数 Coefficient | 0.05 | 0.30 | 0.70 | 1.00 |

标识 / MARKING



◆尺寸图 / DIMENSIONS

(mm)



◆标准品一览表 / STANDARD SIZE

| 额定电压 Rated Voltage (Vdc) | 静电容量 Capacitance (μF) | 外形尺寸 Size φD×L (mm) | 损失角正切值 (tanδ) (120Hz, 20°C) | 漏电流 Leakage Current (μA/2min) | 等效串联电阻 E.S.R. (mΩ, max) | | 额定纹波电流 Rated Ripple Current (mA r.m.s./100kHz) |
|--------------------------------|-----------------------------|---------------------------|-----------------------------------|-------------------------------------|----------------------------|--------------|--|
| | | | | | 20°C, 100kHz | -40°C, 10kHz | |
| 25 | 100 | 8×12 | 0.12 | 500 | 31 | 47 | 2000 |
| | 120 | 8×15 | 0.12 | 600 | 29 | 44 | 2300 |
| | 180 | 10×12 | 0.12 | 900 | 29 | 44 | 2400 |
| | 220 | 10×15 | 0.12 | 1100 | 28 | 42 | 2800 |
| 35 | 68 | 8×12 | 0.12 | 476 | 34 | 51 | 1900 |
| | 82 | 8×15 | 0.12 | 574 | 31 | 47 | 2300 |
| | 100 | 10×12 | 0.12 | 700 | 29 | 44 | 2300 |
| | 150 | 10×15 | 0.12 | 1050 | 28 | 42 | 2700 |
| 50 | 33 | 8×12 | 0.12 | 330 | 36 | 54 | 1700 |
| | 39 | 8×15 | 0.12 | 390 | 34 | 51 | 2000 |
| | 56 | 10×12 | 0.12 | 560 | 30 | 45 | 2200 |
| | 68 | 10×15 | 0.12 | 680 | 29 | 44 | 2600 |
| 63 | 22 | 8×12 | 0.12 | 277 | 37 | 56 | 1700 |
| | 27 | 8×15 | 0.12 | 340 | 35 | 53 | 2000 |
| | 33 | 10×12 | 0.12 | 416 | 31 | 47 | 2200 |
| | 47 | 10×15 | 0.12 | 592 | 30 | 45 | 2500 |