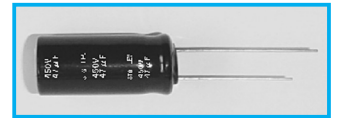


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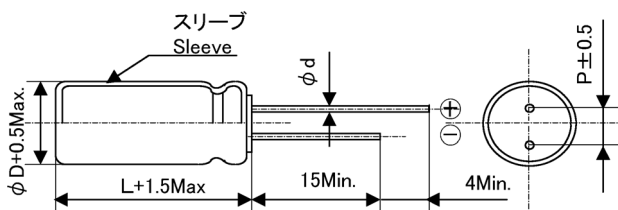
- ・ 130°C 4,000時間保証品  
Load Life : 130°C 4,000 hours
- ・ 電子バラスト、自動車電装用  
For Electronic Ballast, Automobile Electronics



■ 規格表 SPECIFICATIONS

| 項目 Item   | 性能 Performance   |   |      |      |                            |      |      |  |
|---|--|---|------|------|----------------------------|------|------|--|
| カテゴリ温度範囲<br>Category Temperature Range                                    | -40~130°C(160~250V) -25~130°C(350~450V)  |   |      |      |                            |      |      |  |
| 定格電圧範囲<br>Rated Voltage Range   | 160~450V.DC  |   |      |      |                            |      |      |  |
| 静電容量許容差<br>Capacitance Tolerance  | ±20% (20°C,120Hz)  |   |      |      |                            |      |      |  |
| 漏れ電流<br>Leakage Current(Max)  | I≤0.04CV+100μA (1分値) (1minute)   |   |      |      |                            |      |      |  |
|   | I=漏れ電流(μA)<br>Leakage Current  | C=定格静電容量(μF)<br>Rated Capacitance                       |      |      | V=定格電圧(V)<br>Rated Voltage |      |      |  |
| 損失角の正接(tan δ)<br>Dissipation Factor(Max)                                  | 20°C 120Hz   |   |      |      |                            |      |      |  |
|   | 定格電圧(V)<br>Rated Voltage   | 160   | 200  | 250  | 350                        | 400  | 450  |  |
|   | tan δ (Max)  | 0.20  | 0.20 | 0.20 | 0.24                       | 0.24 | 0.24 |  |
| 温度特性<br>Temperature Characteristics<br>(インピーダンス比)<br>Impedance Ratio(Max) | 120Hz  |   |      |      |                            |      |      |  |
|   | 定格電圧(V)<br>Rated Voltage   | 160   | 200  | 250  | 350                        | 400  | 450  |  |
|   | Z-25°C/Z+20°C  | 3   | 3    | 3    | 6                          | 6    | 6    |  |
| 耐久性<br>Endurance  | 130°Cにおいて定格電圧をこえない範囲で規定のリプル電流を重畳して、4,000時間定格電圧印加後下記項目を満足すること。<br>After 4,000 hour life test at 130°C with rated voltage and ripple current, the capacitors shall meet the following requirements.  |   |      |      |                            |      |      |  |
|   | 静電容量変化率<br>Capacitance Change  | 初期値の±20%以内<br>Within ±20% of the initial value          |      |      |                            |      |      |  |
|   | 損失角の正接<br>Dissipation Factor   | 規格値の200%以下<br>Not more than 200% of the specified value |      |      |                            |      |      |  |
|   | 漏れ電流<br>Leakage Current  | 規格値以下<br>Not more than the specified value              |      |      |                            |      |      |  |
| 高温無負荷特性<br>Shelf Life   | 130°Cにおいて電圧を印加せず1,000時間放置後、20°Cに復帰させ試験前処理(JIS C 5102 4.4項)の後下記項目を満足すること。<br>After 1,000 hour shelf life test at 130°C, then stored at 20°C.<br>And after pre-treatment (JIS C 5102 4.4), the capacitors shall meet the following requirements. |   |      |      |                            |      |      |  |
|   | 静電容量変化率<br>Capacitance Change  | 初期値の±20%以内<br>Within ±20% of the initial value          |      |      |                            |      |      |  |
|   | 損失角の正接<br>Dissipation Factor   | 規格値の200%以下<br>Not more than 200% of the specified value |      |      |                            |      |      |  |
|   | 漏れ電流<br>Leakage Current  | 規格値の500%以下<br>Not more than 500% of the specified value |      |      |                            |      |      |  |

■ 寸法図 DIMENSIONS (mm)



|    |     |      |     |     |
|----|-----|------|-----|-----|
| φD | 10  | 12.5 | 16  | 18  |
| φd | 0.6 | 0.6  | 0.8 | 0.8 |
| P  | 5.0 | 5.0  | 7.5 | 7.5 |

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■標準寸法表、定格リップル電流

TYPICAL DIMENSIONS, RATED RIPPLE CURRENT

Size  $\phi D \times L$ (mm), Ripple current (mA r.m.s./130°C, 120Hz)

| $\mu F$ \ V.DC | 160V      |        | 200V      |        | 250V      |        |
|----------------|-----------|--------|-----------|--------|-----------|--------|
|                | Size      | Ripple | Size      | Ripple | Size      | Ripple |
| 33             |           |        |           |        | 12.5 × 25 | 154    |
| 47             |           |        | 12.5 × 25 | 184    | 16 × 25   | 203    |
| 68             | 12.5 × 25 | 220    | 16 × 20   | 225    | 16 × 31.5 | 263    |
| 100            | 16 × 25   | 300    | 16 × 25   | 296    |           |        |
| 150            | 16 × 31.5 | 390    |           |        |           |        |

| $\mu F$ \ V.DC | 350V      |        | 400V      |        | 450V      |        |
|----------------|-----------|--------|-----------|--------|-----------|--------|
|                | Size      | Ripple | Size      | Ripple | Size      | Ripple |
| 22             | 12.5 × 25 | 125    | 12.5 × 30 | 128    | 16 × 25   | 130    |
| 33             | 16 × 25   | 170    | 16 × 25   | 170    | 16 × 31.5 | 183    |
| 47             | 16 × 31.5 | 220    | 16 × 31.5 | 220    |           |        |

■リップル電流補正係数

MULTIPLIER FOR RIPPLE CURRENT

(1)周波数係数 Frequency coefficient

| 周波数(Hz)<br>Frequency | 60(50) | 120 | 500 | 1k  | 10k $\leq$ |
|----------------------|--------|-----|-----|-----|------------|
| 係数<br>Coefficient    | 0.8    | 1.0 | 1.2 | 1.3 | 1.5        |

(2)周囲温度係数 Temperature coefficient

| 周囲温度(°C)<br>Ambient Temperature | 130 | 105 | 85 $\leq$ |
|---------------------------------|-----|-----|-----------|
| 係数<br>Coefficient               | 1.0 | 1.8 | 2.1       |

■製品コード

PRODUCT CODE

