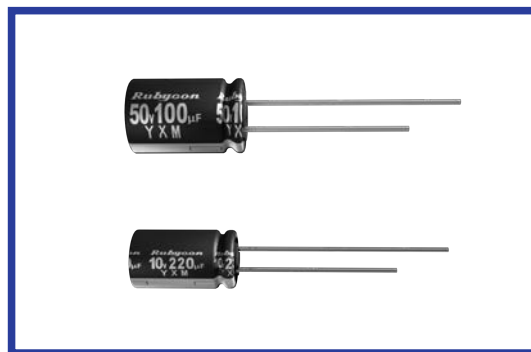


YXM series

105°C 10000時間品 小形化品, -40°C対応  
Load Life : 105°C 10000 hours, Miniaturized, -40°C~+105°C



◆規格表/SPECIFICATIONS

| 項目 Item  | 特性 Characteristics   |                               |   |                              |  |                         |   |               |     |               |                   |      |      |      |      |      |      |      |  |
|--|--|-------------------------------|---|------------------------------|--|-------------------------|---|---------------|-----|---------------|-------------------|------|------|------|------|------|------|------|--|
| カテゴリ温度範囲<br>Category Temperature Range                                   | -40~+105°C   |                               |   |                              |  |                         |   |               |     |               |                   |      |      |      |      |      |      |      |  |
| 定格電圧範囲<br>Rated Voltage Range  | 10~100Vdc  |                               |   |                              |  |                         |   |               |     |               |                   |      |      |      |      |      |      |      |  |
| 静電容量許容差<br>Capacitance Tolerance   | ±20%(20°C, 120Hz)  |                               |   |                              |  |                         |   |               |     |               |                   |      |      |      |      |      |      |      |  |
| 漏れ電流<br>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)<br>I=漏れ電流(µA) C=静電容量(µF) V=定格電圧(Vdc)<br>Leakage Current Capacitance Rated Voltage   |                               |   |                              |  |                         |   |               |     |               |                   |      |      |      |      |      |      |      |  |
| 損失角の正接(tan δ)<br>Dissipation Factor (MAX)                                | <table border="1"> <tr> <td>定格電圧(Vdc)<br/>Rated Voltage</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> <td>63</td> <td>100</td> <td>(20°C, 120Hz)</td> </tr> <tr> <td>tan δ</td> <td>0.45</td> <td>0.35</td> <td>0.30</td> <td>0.22</td> <td>0.19</td> <td>0.17</td> <td>0.15</td> <td></td> </tr> </table>  | 定格電圧(Vdc)<br>Rated Voltage    | 10  | 16                           | 25   | 35                      | 50  | 63            | 100 | (20°C, 120Hz) | tan δ             | 0.45 | 0.35 | 0.30 | 0.22 | 0.19 | 0.17 | 0.15 |  |
| 定格電圧(Vdc)<br>Rated Voltage   | 10   | 16                            | 25  | 35                           | 50   | 63                      | 100   | (20°C, 120Hz) |     |               |                   |      |      |      |      |      |      |      |  |
| tan δ  | 0.45   | 0.35                          | 0.30  | 0.22                         | 0.19   | 0.17                    | 0.15  |               |     |               |                   |      |      |      |      |      |      |      |  |
| 耐久性<br>Endurance   | 105°C中で10000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。<br>After applying rated voltage with rated ripple current for 10000hours at 105°C, the capacitors shall meet the following requirements. <table border="1"> <tr> <td>静電容量変化率<br/>Capacitance Change</td> <td>初期値の ±25% 以内<br/>Within ±25% of the initial value.</td> </tr> <tr> <td>損失角の正接<br/>Dissipation Factor</td> <td>規格値の 300% 以下<br/>Not more than 300% of the specified value.</td> </tr> <tr> <td>漏れ電流<br/>Leakage Current</td> <td>規格値以下<br/>Not more than the specified value.</td> </tr> </table> | 静電容量変化率<br>Capacitance Change | 初期値の ±25% 以内<br>Within ±25% of the initial value. | 損失角の正接<br>Dissipation Factor | 規格値の 300% 以下<br>Not more than 300% of the specified value. | 漏れ電流<br>Leakage Current | 規格値以下<br>Not more than the specified value. |               |     |               |                   |      |      |      |      |      |      |      |  |
| 静電容量変化率<br>Capacitance Change  | 初期値の ±25% 以内<br>Within ±25% of the initial value.  |                               |   |                              |  |                         |   |               |     |               |                   |      |      |      |      |      |      |      |  |
| 損失角の正接<br>Dissipation Factor   | 規格値の 300% 以下<br>Not more than 300% of the specified value.   |                               |   |                              |  |                         |   |               |     |               |                   |      |      |      |      |      |      |      |  |
| 漏れ電流<br>Leakage Current  | 規格値以下<br>Not more than the specified value.  |                               |   |                              |  |                         |   |               |     |               |                   |      |      |      |      |      |      |      |  |
| 低温特性<br>Low Temperature Stability<br>(インピーダンス比)<br>Impedance Ratio (MAX) | <table border="1"> <tr> <td>定格電圧(Vdc)<br/>Rated Voltage</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> <td>63</td> <td>100</td> <td>(120Hz)</td> </tr> <tr> <td>Z(-25°C)/Z(+20°C)</td> <td>8</td> <td>6</td> <td>4</td> <td>4</td> <td>3</td> <td>3</td> <td>3</td> <td></td> </tr> </table>   | 定格電圧(Vdc)<br>Rated Voltage    | 10  | 16                           | 25   | 35                      | 50  | 63            | 100 | (120Hz)       | Z(-25°C)/Z(+20°C) | 8    | 6    | 4    | 4    | 3    | 3    | 3    |  |
| 定格電圧(Vdc)<br>Rated Voltage   | 10   | 16                            | 25  | 35                           | 50   | 63                      | 100   | (120Hz)       |     |               |                   |      |      |      |      |      |      |      |  |
| Z(-25°C)/Z(+20°C)  | 8  | 6                             | 4   | 4                            | 3  | 3                       | 3   |               |     |               |                   |      |      |      |      |      |      |      |  |

◆呼称方法/PART NUMBER

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

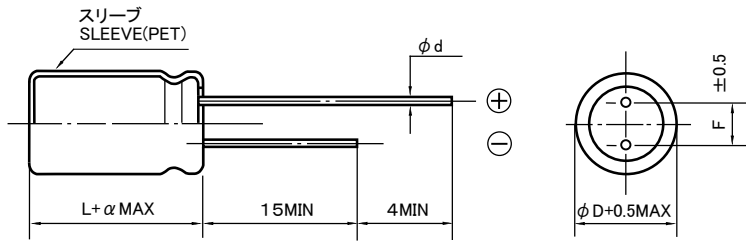
◆リップル電流補正係数/  
MULTIPLIER FOR RIPPLE CURRENT

| 周波数 (Hz)<br>Frequency |           | 120  | 1k   | 10k  | 100k ≤ |
|-----------------------|-----------|------|------|------|--------|
| 係数<br>Coefficient     | 1~10 µF   | 0.42 | 0.60 | 0.80 | 1.00   |
|                       | 22~33 µF  | 0.55 | 0.75 | 0.90 | 1.00   |
|                       | 47~330 µF | 0.70 | 0.85 | 0.95 | 1.00   |

◆副記号/OPTION

EFR : PETスリーブ PET Sleeve

◆寸法図／DIMENSIONS



(mm)

|    |     |     |     |
|----|-----|-----|-----|
| φD | 5   | 6.3 | 8   |
| φd | 0.5 |     | 0.6 |
| F  | 2.0 | 2.5 | 3.5 |
| α  | 1.5 |     |     |

◆標準品一覧表／STANDARD SIZE



Rated Ripple Current (mA r.m.s./105°C, 100kHz)

| 定格電圧<br>Rated Voltage<br>(Vdc) | 静電容量<br>Capacitance<br>(μF) | 外形寸法<br>Size<br>φD × L(mm) | 定格リプル<br>電流<br>RatedRipple<br>Current |
|--------------------------------|-----------------------------|----------------------------|---------------------------------------|
| 10                             | 100                         | 5×11                       | 130                                   |
|                                | 220                         | 6.3×11                     | 210                                   |
|                                | 330                         | 8×11.5                     | 330                                   |
| 16                             | 47                          | 5×11                       | 130                                   |
|                                | 100                         | 6.3×11                     | 210                                   |
|                                | 220                         | 8×11.5                     | 330                                   |
| 25                             | 33                          | 5×11                       | 130                                   |
|                                | 47                          | 5×11                       | 130                                   |
|                                | 100                         | 6.3×11                     | 210                                   |
| 35                             | 33                          | 5×11                       | 130                                   |
|                                | 47                          | 6.3×11                     | 210                                   |
|                                | 100                         | 8×11.5                     | 330                                   |

| 定格電圧<br>Rated Voltage<br>(Vdc) | 静電容量<br>Capacitance<br>(μF) | 外形寸法<br>Size<br>φD × L(mm) | 定格リプル<br>電流<br>RatedRipple<br>Current |
|--------------------------------|-----------------------------|----------------------------|---------------------------------------|
| 50                             | 1                           | 5×11                       | 25                                    |
|                                | 2.2                         | 5×11                       | 35                                    |
|                                | 3.3                         | 5×11                       | 70                                    |
|                                | 4.7                         | 5×11                       | 80                                    |
|                                | 10                          | 5×11                       | 90                                    |
|                                | 22                          | 5×11                       | 135                                   |
|                                | 33                          | 6.3×11                     | 190                                   |
|                                | 47                          | 6.3×11                     | 190                                   |
|                                | 100                         | 8×11.5                     | 270                                   |
| 63                             | 10                          | 5×11                       | 80                                    |
|                                | 22                          | 6.3×11                     | 170                                   |
|                                | 33                          | 6.3×11                     | 170                                   |
|                                | 47                          | 8×11.5                     | 240                                   |
| 100                            | 1                           | 5×11                       | 40                                    |
|                                | 2.2                         | 5×11                       | 50                                    |
|                                | 3.3                         | 5×11                       | 60                                    |
|                                | 4.7                         | 5×11                       | 70                                    |
|                                | 10                          | 6.3×11                     | 150                                   |
|                                | 22                          | 8×11.5                     | 230                                   |

## Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

-  [View 25YXM100MEFRT16.3X11 on WIN SOURCE](#)
-  [Rubycon Information](#)

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-  Obsolete Management
-  Cost Control Management
-  Shortage Management
-  Alternative Solution
-  Excess Inventory Management