

PX シリーズ  
SERIES

105°C 標準品  
105°C Standard

・105°C 1000~2000時間品。  
Load Life : 105°C 1000~2000 hours.



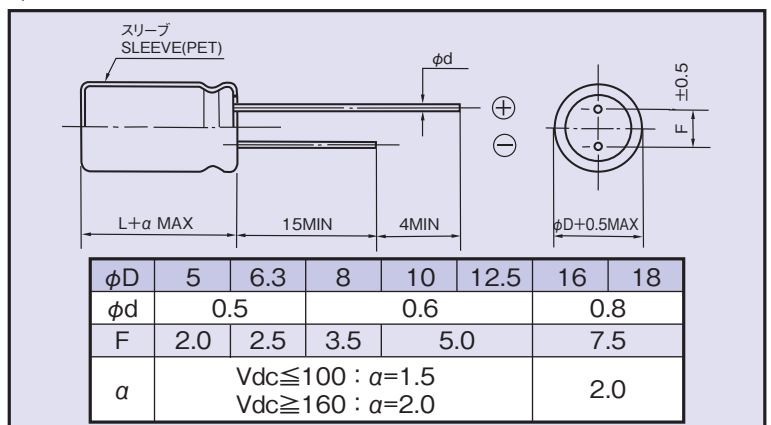
◆規格表 / SPECIFICATIONS

| 項目 Items  | 特性 Characteristics  |  |   |      |      |      |      |      |      |      |       |                     |                            |      |     |               |    |    |    |    |     |     |     |     |     |     |     |               |                  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |                  |    |   |   |   |   |   |   |   |   |   |   |   |    |   |  |
|---|---|--|---|------|------|------|------|------|------|------|-------|---------------------|----------------------------|------|-----|---------------|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|---------------|------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|------------------|----|---|---|---|---|---|---|---|---|---|---|---|----|---|--|
| カテゴリ温度範囲<br>Category Temperature Range  | -55~+105°C  | -40~+105°C   | -25~+105°C  |      |      |      |      |      |      |      |       |                     |                            |      |     |               |    |    |    |    |     |     |     |     |     |     |     |               |                  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |                  |    |   |   |   |   |   |   |   |   |   |   |   |    |   |  |
| 定格電圧範囲<br>Rated Voltage Range   | 6.3~100Vdc  | 160~400Vdc   | 450Vdc  |      |      |      |      |      |      |      |       |                     |                            |      |     |               |    |    |    |    |     |     |     |     |     |     |     |               |                  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |                  |    |   |   |   |   |   |   |   |   |   |   |   |    |   |  |
| 静電容量許容差<br>Capacitance Tolerance  | ±20%(20°C, 120Hz)   |  |   |      |      |      |      |      |      |      |       |                     |                            |      |     |               |    |    |    |    |     |     |     |     |     |     |     |               |                  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |                  |    |   |   |   |   |   |   |   |   |   |   |   |    |   |  |
| 漏れ電流<br>Leakage Current(MAX)  | 6.3~100Vdc  |  | 160~450Vdc  |      |      |      |      |      |      |      |       |                     |                            |      |     |               |    |    |    |    |     |     |     |     |     |     |     |               |                  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |                  |    |   |   |   |   |   |   |   |   |   |   |   |    |   |  |
|   | I=0.01CV又は3µAのいずれか大なる値以下<br>I=0.01CV or 3µA whichever is greater.<br>(定格電圧印加2分後)<br>(After 2 minutes application of rated voltage)  |  | CV≤1000<br>CV>1000  |      |      |      |      |      |      |      |       |                     |                            |      |     |               |    |    |    |    |     |     |     |     |     |     |     |               |                  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |                  |    |   |   |   |   |   |   |   |   |   |   |   |    |   |  |
|   | I=漏れ電流(µA)<br>Leakage Current   |  | C=静電容量(µF)<br>Capacitance<br>V=定格電圧(Vdc)<br>Rated Voltage |      |      |      |      |      |      |      |       |                     |                            |      |     |               |    |    |    |    |     |     |     |     |     |     |     |               |                  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |                  |    |   |   |   |   |   |   |   |   |   |   |   |    |   |  |
| 損失角の正接 (tanδ)<br>Dissipation Factor(MAX)  | <table border="1"> <tr> <td>定格電圧(Vdc)<br/>Rated Voltage</td> <td>6.3</td><td>10</td><td>16</td><td>25</td><td>35</td><td>50</td><td>63</td><td>100</td><td>160</td><td>200</td><td>250</td><td>350</td><td>400</td><td>450</td> <td>(20°C, 120Hz)</td> </tr> <tr> <td>tanδ</td> <td>0.28</td><td>0.24</td><td>0.20</td><td>0.16</td><td>0.14</td><td>0.12</td><td>0.10</td><td>0.08</td><td>0.20</td><td>0.20</td><td>0.20</td><td>0.25</td><td>0.25</td><td>0.25</td> <td></td> </tr> </table>   |  |   |      |      |      |      |      |      |      |       |                     | 定格電圧(Vdc)<br>Rated Voltage | 6.3  | 10  | 16            | 25 | 35 | 50 | 63 | 100 | 160 | 200 | 250 | 350 | 400 | 450 | (20°C, 120Hz) | tanδ             | 0.28 | 0.24 | 0.20 | 0.16 | 0.14 | 0.12 | 0.10 | 0.08 | 0.20 | 0.20 | 0.20 | 0.25 | 0.25 | 0.25 |  |                  |    |   |   |   |   |   |   |   |   |   |   |   |    |   |  |
|   | 定格電圧(Vdc)<br>Rated Voltage  | 6.3  | 10  | 16   | 25   | 35   | 50   | 63   | 100  | 160  | 200   | 250                 | 350                        | 400  | 450 | (20°C, 120Hz) |    |    |    |    |     |     |     |     |     |     |     |               |                  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |                  |    |   |   |   |   |   |   |   |   |   |   |   |    |   |  |
| tanδ  | 0.28  | 0.24   | 0.20  | 0.16 | 0.14 | 0.12 | 0.10 | 0.08 | 0.20 | 0.20 | 0.20  | 0.25                | 0.25                       | 0.25 |     |               |    |    |    |    |     |     |     |     |     |     |     |               |                  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |                  |    |   |   |   |   |   |   |   |   |   |   |   |    |   |  |
| 1000µFを越えるものは1000µF増す毎に上表の値に0.02を加えた値とする。<br>When capacitance is over 1000µF, tanδ shall be added 0.02 to the listed value with increase of every 1000µF. |   |  |   |      |      |      |      |      |      |      |       |                     |                            |      |     |               |    |    |    |    |     |     |     |     |     |     |     |               |                  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |                  |    |   |   |   |   |   |   |   |   |   |   |   |    |   |  |
| 耐久<br>Endurance   | 105°C中で右表の時間定格電圧(リップル重量)印加後、下記項目を満足すること。<br>After applying rated voltage with rated ripple current for specified time at 105°C, the capacitors shall meet the following requirements.   |  |   |      |      |      |      |      |      |      |       |                     |                            |      |     |               |    |    |    |    |     |     |     |     |     |     |     |               |                  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |                  |    |   |   |   |   |   |   |   |   |   |   |   |    |   |  |
|   | 静電容量変化率<br>Capacitance Change   | 初期値の±25%以内<br>Within ±25% of the initial value.          |   |      |      |      |      |      |      |      |       | ケースサイズ<br>Case Size | 時間(hrs)<br>Life Time       |      |     |               |    |    |    |    |     |     |     |     |     |     |     |               |                  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |                  |    |   |   |   |   |   |   |   |   |   |   |   |    |   |  |
|   | 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. |   |      |      |      |      |      |      |      |       | φD≤8                | 1000                       |      |     |               |    |    |    |    |     |     |     |     |     |     |     |               |                  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |                  |    |   |   |   |   |   |   |   |   |   |   |   |    |   |  |
| 漏れ電流<br>Leakage Current   | 規格値以下<br>Not more than the specified value.   |  |   |      |      |      |      |      |      |      | φD≥10 | 2000                |                            |      |     |               |    |    |    |    |     |     |     |     |     |     |     |               |                  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |                  |    |   |   |   |   |   |   |   |   |   |   |   |    |   |  |
| 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>6.3</td><td>10</td><td>16</td><td>25</td><td>35</td><td>50</td><td>63</td><td>100</td><td>160</td><td>200</td><td>250</td><td>350</td><td>400</td><td>450</td> <td>(120Hz)</td> </tr> <tr> <td>Z(-25°C)/Z(20°C)</td> <td>5</td><td>4</td><td>3</td><td>2</td><td>2</td><td>2</td><td>2</td><td>2</td><td>3</td><td>3</td><td>4</td><td>6</td><td>6</td><td>7</td> <td></td> </tr> <tr> <td>Z(-40°C)/Z(20°C)</td> <td>10</td><td>8</td><td>6</td><td>4</td><td>3</td><td>3</td><td>3</td><td>3</td><td>4</td><td>4</td><td>8</td><td>8</td><td>10</td><td>-</td> <td></td> </tr> </table> |  |   |      |      |      |      |      |      |      |       |                     | 定格電圧(Vdc)<br>Rated Voltage | 6.3  | 10  | 16            | 25 | 35 | 50 | 63 | 100 | 160 | 200 | 250 | 350 | 400 | 450 | (120Hz)       | Z(-25°C)/Z(20°C) | 5    | 4    | 3    | 2    | 2    | 2    | 2    | 2    | 3    | 3    | 4    | 6    | 6    | 7    |  | Z(-40°C)/Z(20°C) | 10 | 8 | 6 | 4 | 3 | 3 | 3 | 3 | 4 | 4 | 8 | 8 | 10 | - |  |
|   | 定格電圧(Vdc)<br>Rated Voltage  | 6.3  | 10  | 16   | 25   | 35   | 50   | 63   | 100  | 160  | 200   | 250                 | 350                        | 400  | 450 | (120Hz)       |    |    |    |    |     |     |     |     |     |     |     |               |                  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |                  |    |   |   |   |   |   |   |   |   |   |   |   |    |   |  |
|   | Z(-25°C)/Z(20°C)  | 5  | 4   | 3    | 2    | 2    | 2    | 2    | 2    | 3    | 3     | 4                   | 6                          | 6    | 7   |               |    |    |    |    |     |     |     |     |     |     |     |               |                  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |                  |    |   |   |   |   |   |   |   |   |   |   |   |    |   |  |
| Z(-40°C)/Z(20°C)  | 10  | 8  | 6   | 4    | 3    | 3    | 3    | 3    | 4    | 4    | 8     | 8                   | 10                         | -    |     |               |    |    |    |    |     |     |     |     |     |     |     |               |                  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |                  |    |   |   |   |   |   |   |   |   |   |   |   |    |   |  |

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

| 周波数 (Hz)<br>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 |
| 100~1000µF            | 0.80   | 1.00 | 1.10 | 1.15 | 1.20 |
| 2200~33000µF          | 0.80   | 1.00 | 1.05 | 1.10 | 1.15 |

◆寸法図 / DIMENSIONS (mm)



◆副記号 / OPTION

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

◆呼称方法 / PART NUMBER

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

**◆標準品一覧表 / STANDARD SIZE**

 Size  $\phi D \times L$ (mm), Rated Ripple Current (mA r.m.s./105°C, 120Hz)

| 定格電圧<br>Vdc<br>静電容量<br>Cap( $\mu F$ ) | 6.3     |        | 10      |        | 16      |        | 25      |        | 35      |        | 50      |        | 63      |        |    |
|---------------------------------------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|----|
|                                       | Size    | Ripple | Size    | Ripple | Size    | Ripple | Size    | Ripple | Size    | Ripple | Size    | Ripple | Size    | Ripple |    |
| 1                                     |         |        |         |        |         |        |         |        |         |        | 5×11    | 10     |         |        |    |
| 2.2                                   |         |        |         |        |         |        |         |        |         |        | 5×11    | 20     |         |        |    |
| 3.3                                   |         |        |         |        |         |        |         |        |         |        | 5×11    | 25     |         |        |    |
| 4.7                                   |         |        |         |        |         |        |         |        |         |        | 5×11    | 32     |         |        |    |
| 10                                    |         |        |         |        |         |        |         |        |         |        | 5×11    | 47     | 5×11    | 48     |    |
| 22                                    |         |        |         |        |         |        |         |        |         | 5×11   | 64      | 5×11   | 70      | 5×11   | 80 |
| 33                                    |         |        |         |        |         |        | 5×11    | 69     | 5×11    | 77     | 5×11    | 94     | 6.3×11  | 100    |    |
| 47                                    |         |        |         |        | 5×11    | 80     | 5×11    | 84     | 5×11    | 100    | 6.3×11  | 115    | 6.3×11  | 140    |    |
| 100                                   | 5×11    | 96     | 5×11    | 105    | 5×11    | 130    | 5×11    | 135    | 6.3×11  | 170    | 8×11.5  | 200    | 8×11.5  | 230    |    |
| 220                                   | 5×11    | 160    | 5×11    | 165    | 6.3×11  | 220    | 6.3×11  | 240    | 8×11.5  | 300    | 10×12.5 | 360    | 10×16   | 390    |    |
| 330                                   | 6.3×11  | 210    | 6.3×11  | 235    | 6.3×11  | 270    | 8×11.5  | 335    | 10×12.5 | 400    | 10×16   | 470    | 10×20   | 540    |    |
| 470                                   | 6.3×11  | 275    | 6.3×11  | 295    | 8×11.5  | 375    | 8×11.5  | 440    | 10×12.5 | 525    | 10×20   | 600    | 12.5×20 | 700    |    |
| 680                                   | 6.3×11  | 285    | 8×11.5  | 430    | 8×11.5  | 480    | 10×12.5 | 630    | 10×16   | 760    | 12.5×20 | 980    | 12.5×25 | 800    |    |
| 1000                                  | 8×11.5  | 460    | 8×11.5  | 500    | 10×12.5 | 640    | 10×16   | 740    | 10×20   | 865    | 12.5×25 | 1060   | 16×25   | 1200   |    |
| 2200                                  | 10×16   | 775    | 10×16   | 860    | 10×20   | 1050   | 12.5×20 | 1090   | 16×25   | 1370   | 16×31.5 | 1600   | 18×31.5 | 1400   |    |
| 3300                                  | 10×20   | 985    | 10×20   | 1100   | 12.5×20 | 1300   | 16×25   | 1500   | 16×25   | 1680   | 18×35.5 | 1780   |         |        |    |
| 4700                                  | 12.5×20 | 1150   | 12.5×20 | 1350   | 12.5×25 | 1650   | 16×25   | 1800   | 16×35.5 | 1870   |         |        |         |        |    |
| 6800                                  | 12.5×25 | 1480   | 16×25   | 1700   | 16×25   | 1900   | 16×35.5 | 1910   | 18×35.5 | 1920   |         |        |         |        |    |
| 10000                                 | 16×25   | 1700   | 16×25   | 1950   | 16×31.5 | 1950   | 18×35.5 | 2050   |         |        |         |        |         |        |    |
| 15000                                 | 16×31.5 | 2090   | 16×35.5 | 2090   | 18×35.5 | 2070   |         |        |         |        |         |        |         |        |    |
| 22000                                 | 18×31.5 | 2280   | 18×35.5 | 2180   |         |        |         |        |         |        |         |        |         |        |    |
| 33000                                 | 18×40   | 2350   |         |        |         |        |         |        |         |        |         |        |         |        |    |

| 定格電圧<br>Vdc<br>静電容量<br>Cap( $\mu F$ ) | 100     |        | 160     |        | 200     |        | 250     |        | 350     |        | 400     |        | 450     |        |
|---------------------------------------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|
|                                       | Size    | Ripple | Size    | Ripple | Size    | Ripple | Size    | Ripple | Size    | Ripple | Size    | Ripple | Size    | Ripple |
| 0.47                                  |         |        |         |        |         |        | 6.3×11  | 8      | 6.3×11  | 8      |         |        |         |        |
| 1                                     | 5×11    | 15     |         |        |         |        | 6.3×11  | 16     | 6.3×11  | 16     | 6.3×11  | 16     | 6.3×11  | 15     |
| 2.2                                   | 5×11    | 21     |         |        |         |        | 6.3×11  | 30     | 6.3×11  | 25     | 8×11.5  | 31     | 8×11.5  | 20     |
| 3.3                                   | 5×11    | 30     |         |        | 6.3×11  | 36     | 6.3×11  | 30     | 8×11.5  | 30     | 8×11.5  | 34     | 10×12.5 | 33     |
| 4.7                                   | 5×11    | 35     | 6.3×11  | 43     | 6.3×11  | 40     | 8×11.5  | 45     | 8×11.5  | 45     | 10×12.5 | 42     | 10×12.5 | 35     |
| 10                                    | 5×11    | 60     | 8×11.5  | 77     | 8×11.5  | 57     | 10×12.5 | 90     | 10×16   | 95     | 10×16   | 64     | 10×20   | 37     |
| 22                                    | 6.3×11  | 98     | 10×12.5 | 92     | 10×16   | 105    | 10×16   | 105    | 12.5×20 | 175    | 12.5×20 | 140    | 12.5×25 | 100    |
| 33                                    | 8×11.5  | 140    | 10×16   | 125    | 10×20   | 140    | 10×20   | 140    | 12.5×25 | 220    | 16×25   | 170    | 16×25   | 125    |
| 47                                    | 8×11.5  | 185    | 10×20   | 150    | 10×20   | 195    | 12.5×20 | 190    | 16×25   | 260    | 16×25   | 200    | 16×31.5 | 155    |
| 100                                   | 10×16   | 290    | 12.5×25 | 320    | 16×25   | 340    | 16×25   | 310    | 18×31.5 | 370    | 18×35.5 | 310    | 18×40   | 200    |
| 220                                   | 12.5×20 | 560    | 16×31.5 | 410    | 16×35.5 | 580    | 18×35.5 | 485    |         |        |         |        |         |        |
| 330                                   | 12.5×25 | 690    | 18×31.5 | 570    | 18×40   | 675    |         |        |         |        |         |        |         |        |
| 470                                   | 16×25   | 880    | 18×40   | 855    |         |        |         |        |         |        |         |        |         |        |
| 680                                   | 16×31.5 | 900    |         |        |         |        |         |        |         |        |         |        |         |        |
| 1000                                  | 18×35.5 | 985    |         |        |         |        |         |        |         |        |         |        |         |        |

单击下面可查看定价，库存，交付和生命周期等信息

[>>Rubycon\(红宝石\)](#)