

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 Category Temperature Range | -55~+105°C | -40~+105°C | -25~+105°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 定格電圧範囲 Rated Voltage Range | 6.3~100Vdc | 160~400Vdc | 450Vdc | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 静電容量許容差 Capacitance Tolerance | ±20%(20°C, 120Hz) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 漏れ電流 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 I=0.01CV or 3µA whichever is greater. (定格電圧印加2分後) (After 2 minutes application of rated voltage) | | CV≤1000 CV>1000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | I=漏れ電流(µA) Leakage Current | | C=静電容量(µF) Capacitance V=定格電圧(Vdc) Rated Voltage | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 損失角の正接 (tanδ) Dissipation Factor(MAX) | <table border="1"> <tr> <td>定格電圧(Vdc) 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) 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) 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。 When capacitance is over 1000µF, tanδ shall be added 0.02 to the listed value with increase of every 1000µF. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 耐久 Endurance | 105°C中で右表の時間定格電圧(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 specified time at 105°C, the capacitors shall meet the following requirements. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 静電容量変化率 Capacitance Change | 初期値の±25%以内 Within ±25% of the initial value. | | | | | | | | | | ケースサイズ Case Size | 時間(hrs) Life Time | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 損失角の正接 Dissipation Factor | 規格値の200%以下 Not more than 200% of the specified value. | | | | | | | | | | φD≤8 | 1000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 漏れ電流 Leakage Current | 規格値以下 Not more than the specified value. | | | | | | | | | | φD≥10 | 2000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 低温特性 Low Temperature Stability (インピーダンス比) Impedance Ratio(MAX) | <table border="1"> <tr> <td>定格電圧(Vdc) 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) 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) 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) 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 |

◆副記号 / OPTION

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

◆寸法図 / DIMENSIONS (mm)



◆呼称方法 / PART NUMBER

□□□ PX □□□□□ M □□□ □□ D×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

