

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=0.1CV+40µA以下(1分値)<br>I=0.1CV+40µA (1minute)<br>I=0.03CV+15µA以下(5分値)<br>I=0.03CV+15µA (5minutes) |      |      |      |      |      |      |      |      |      |                        |      |      |                           |                      |  |
| 損失角の正接 (tanδ)<br>Dissipation Factor(MAX)                                | I=漏れ電流(µA) Leakage Current  |            |   |      |      |      |      |      |      |      |      |      | C=静電容量(µF) Capacitance |      |      | V=定格電圧(Vdc) Rated Voltage |                      |  |
|   | 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 |                           |                      |  |
| 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) | 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 |

◆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<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 |

