

Rubycon

# リード線形アルミニウム電解コンデンサ

## RADIAL LEAD ALUMINUM ELECTROLYTIC CAPACITORS

PX

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.

RoHS  
compliance



### ◆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)                                                                                    |                                                                       | I=0.04CV+100µA以下(1分値)<br>I=0.04CV+100µA (1minute)<br>I=0.02CV+25µA以下(5分値)<br>I=0.02CV+25µA (5minutes) |
|                                                                         | I=漏れ電流(µA)<br>Leakage Current                                                                                                                                                        | C=静電容量(µF)<br>Capacitance                                             | V=定格電圧(Vdc)<br>Rated Voltage                                                                          |
| 損失角の正接(tanδ)<br>Dissipation Factor(MAX)                                 | 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                                                         | 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.                            |                                                                       |                                                                                                       |
|                                                                         | 105°C中で右表の時間定格電圧(リプル重量)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                                                                                   |
|                                                                         | 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.              | 時間(hrs)<br>Life Time                                                                                  |
| 低温特性<br>Low Temperature Stability<br>(インピーダンス比)<br>Impedance Ratio(MAX) | 漏れ電流<br>Leakage Current                                                                                                                                                              | 規格値以下<br>Not more than the specified value.                           | φD≤8 1000                                                                                             |
|                                                                         | φD≥10 2000                                                                                                                                                                           |                                                                       |                                                                                                       |
|                                                                         | 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

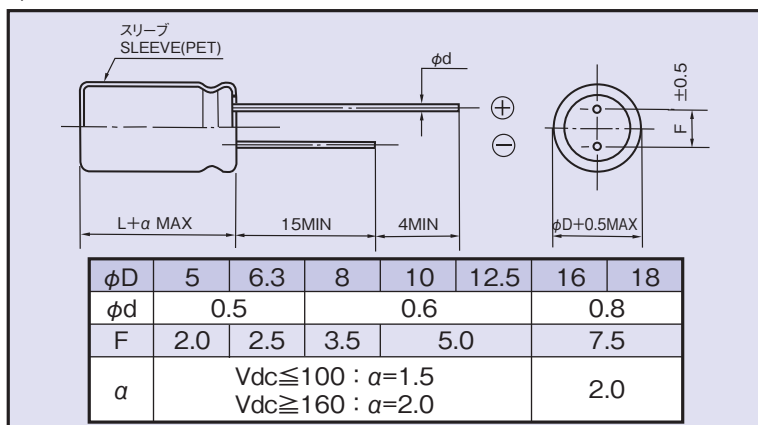
| 周波数(Hz)<br>Frequency | 60(50) | 120  | 500  | 1k   | 10k≤ |
|----------------------|--------|------|------|------|------|
| 0.47～1µF             | 0.50   | 1.00 | 1.20 | 1.30 | 1.50 |
| 2.2～4.7µF            | 0.65   | 1.00 | 1.20 | 1.30 | 1.50 |
| 10～47µF              | 0.80   | 1.00 | 1.20 | 1.30 | 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 |



## RADIAL LEAD ALUMINUM ELECTROLYTIC CAPACITORS

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