

**●導電性高分子固体コンデンサ**
**PLP**

 JIS C 5101  
CE-04

**■特徴**

- ・105℃、2,000時間保証品
- ・低ESR ラジアルリード形固体コンデンサ

**■性能/PERFORMANCE SPECIFICATIONS**

|                                       |  |   |
|---------------------------------------|--|---|
| カテゴリ-温度範囲                             | CATEGORY TEMPERATURE RANGE   | -55℃ ~ +105℃  |
| 標準静電容量許容差                             | STANDARD CAPACITANCE TOLERANCE   | ±20% (120Hz, 20℃)   |
| 漏れ電流 (最大値)                            | LEAKAGE CURRENT (MAX.VALUE)  | Rated voltage applied, after 2 minutes at 20℃.<br>See Standard Ratings  |
| 損失角の正接: tan δ (最大値)                   | DISSIPATION FACTOR: tan δ (MAX.VALUE)                                  | See Standard Ratings (120Hz, 20℃)   |
| ESR                                   | ESR  | See Standard Ratings (100kHz~300kHz, 20℃)   |
| 耐久性<br>105℃, 2,000時間<br>定格電圧印加        | ENDURANCE<br>APPLICATION OF RATED VOLTAGE,<br>AT 105℃ FOR 2,000 hours. | Capacitance Change : Within ±20% of the initial value<br>Dissipation Factor (tan δ) Less than 150% of specified value<br>ESR : Less than 150% of specified value<br>Leakage Current : Less than the initial specified value   |
| 耐湿負荷特性<br>(定常)<br>60℃, 90~95%, 1000時間 | Moisture resistance<br>(STEADY STATE)<br>60℃, 90~95%, 1000 hours       | Capacitance Change : Within ±20% of the initial value<br>Dissipation Factor (tan δ) Less than 150% of specified value<br>ESR : Less than 150% of specified value<br>Leakage Current : Less than the initial specified value<br>*Leakage current should be tested after treatment*1. |

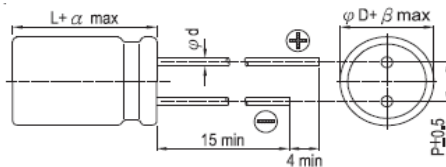
\*1: For any doubt measured values, measure the leakage current again after the following voltage treatment.  
Voltage treatment: DC rated voltage is applied to the capacitors for 2 hours at 105℃.

**●CONDUCTIVE POLYMER SOLID CAPACITORS**
**TYPE PLP**

 JIS C 5101  
CE-04

**■FEATURES**

- ・It's guaranteed for 105℃ 2,000 hours.
- ・Low ESR, solid capacitors of radial lead type

**■寸法図/DIAGRAM OF DIMENSIONS**


| Size | φD | L    | P   | φd  | α   | β   |
|------|----|------|-----|-----|-----|-----|
| F08  | 8  | 8.0  | 3.5 | 0.6 | 1.0 | 0.5 |
| F11  | 8  | 11.0 | 3.5 | 0.6 | 1.5 | 0.5 |
| G12  | 10 | 12.0 | 5.0 | 0.6 | 1.5 | 0.5 |

**■標準品一覧表 / STANDARD PRODUCT TABLE**

| W.V.<br>(V) | Capacitance<br>(μF) | Size<br>(φD × L)<br>(mm) | tan δ<br>(120Hz, 20℃) | Leakage<br>Current<br>(μA) | ESR<br>[100~300kHz, 20℃]<br>(mΩ) | Ripple Current<br>[100kHz, 105℃]<br>(mA) | Part Number   |
|-------------|---------------------|--------------------------|-----------------------|----------------------------|----------------------------------|--|---------------|
| 2.5<br>(0E) | 680                 | 8 × 11                   | 0.12                  | 340                        | 12                               | 4,520                                    | PLP0E681MKF11 |
|             | 820                 | 8 × 11                   | 0.12                  | 410                        | 12                               | 5,440                                    | PLP0E821MKF11 |
|             | 1,500               | 10 × 12                  | 0.12                  | 750                        | 12                               | 5,440                                    | PLP0E152MKG12 |
|             | 2,700               | 10 × 12                  | 0.12                  | 1350                       | 12                               | 5,440                                    | PLP0E272MKG12 |
| 4<br>(0G)   | 560                 | 8 × 11                   | 0.12                  | 448                        | 12                               | 4,520                                    | PLP0G561MKF11 |
|             | 820                 | 10 × 12                  | 0.12                  | 656                        | 12                               | 5,040                                    | PLP0G821MKG12 |
|             | 1,200               | 10 × 12                  | 0.12                  | 960                        | 12                               | 5,040                                    | PLP0G122MKG12 |
| 6.3<br>(0J) | 270                 | 8 × 8                    | 0.12                  | 340                        | 12                               | 3,600                                    | PLP0J271MKF08 |
|             | 470                 | 8 × 8                    | 0.12                  | 592                        | 12                               | 4,770                                    | PLP0J471MKF08 |
|             | 680                 | 10 × 12                  | 0.12                  | 857                        | 12                               | 5,040                                    | PLP0J681MKG12 |
|             | 820                 | 10 × 12                  | 0.12                  | 1033                       | 12                               | 5,040                                    | PLP0J821MKG12 |
|             | 1,000               | 10 × 12                  | 0.12                  | 1260                       | 12                               | 5,040                                    | PLP0J102MKG12 |
|             | 1,200               | 8 × 11                   | 0.12                  | 1512                       | 12                               | 5,040                                    | PLP0J122MKF11 |
|             | 1,500               | 8 × 11                   | 0.12                  | 1890                       | 12                               | 5,040                                    | PLP0J152MKF11 |
|             | 1,500               | 10 × 12                  | 0.12                  | 1890                       | 12                               | 5,560                                    | PLP0J152MKG12 |
| 10<br>(1A)  | 220                 | 8 × 8                    | 0.12                  | 440                        | 12                               | 4,700                                    | PLP1A221MKF08 |
|             | 270                 | 8 × 11                   | 0.12                  | 540                        | 12                               | 4,420                                    | PLP1A271MKF11 |
|             | 330                 | 8 × 8                    | 0.12                  | 660                        | 12                               | 4,700                                    | PLP1A331MKF08 |
|             | 470                 | 8 × 8                    | 0.12                  | 940                        | 12                               | 5,100                                    | PLP1A471MKF08 |
|             | 470                 | 10 × 12                  | 0.12                  | 940                        | 12                               | 5,300                                    | PLP1A471MKG12 |
|             | 560                 | 8 × 11                   | 0.12                  | 1260                       | 12                               | 4,500                                    | PLP1A561MKF11 |
|             | 560                 | 10 × 12                  | 0.12                  | 1120                       | 12                               | 5,300                                    | PLP1A561MKG12 |
|             | 680                 | 8 × 11                   | 0.12                  | 1360                       | 12                               | 4,500                                    | PLP1A681MKF11 |
|             | 680                 | 10 × 12                  | 0.12                  | 1360                       | 12                               | 5,300                                    | PLP1A681MKG12 |
|             | 820                 | 8 × 11                   | 0.12                  | 1640                       | 12                               | 5,000                                    | PLP1A821MKF11 |
|             | 1,000               | 10 × 12                  | 0.12                  | 2000                       | 12                               | 5,300                                    | PLP1A102MKG12 |
|             | 1,200               | 10 × 12                  | 0.12                  | 2400                       | 12                               | 5,300                                    | PLP1A122MKG12 |
| 16<br>(1C)  | 100                 | 8 × 11                   | 0.12                  | 320                        | 12                               | 4,850                                    | PLP1C101MKF11 |
|             | 180                 | 8 × 8                    | 0.12                  | 576                        | 12                               | 3,840                                    | PLP1C181MKF08 |
|             | 180                 | 8 × 11                   | 0.12                  | 576                        | 12                               | 4,850                                    | PLP1C181MKF11 |
|             | 270                 | 8 × 8                    | 0.12                  | 864                        | 12                               | 4,300                                    | PLP1C271MKF08 |
|             | 270                 | 8 × 11                   | 0.12                  | 864                        | 12                               | 5,000                                    | PLP1C271MKF11 |
|             | 270                 | 10 × 12                  | 0.12                  | 864                        | 12                               | 5,300                                    | PLP1C271MKG12 |
|             | 330                 | 8 × 8                    | 0.12                  | 1056                       | 12                               | 4,700                                    | PLP1C331MKF08 |
|             | 330                 | 8 × 11                   | 0.12                  | 1056                       | 12                               | 5,000                                    | PLP1C331MKF11 |
|             | 330                 | 10 × 12                  | 0.12                  | 1056                       | 12                               | 5,300                                    | PLP1C331MKG12 |
|             | 470                 | 8 × 8                    | 0.12                  | 1504                       | 12                               | 4,700                                    | PLP1C471MKF08 |
|             | 470                 | 8 × 11                   | 0.12                  | 1504                       | 12                               | 5,300                                    | PLP1C471MKF11 |
|             | 470                 | 10 × 12                  | 0.12                  | 1504                       | 12                               | 5,300                                    | PLP1C471MKG12 |
|             | 560                 | 8 × 11                   | 0.12                  | 1792                       | 12                               | 5,000                                    | PLP1C561MKF11 |
|             | 560                 | 10 × 12                  | 0.12                  | 1792                       | 12                               | 5,300                                    | PLP1C561MKG12 |
|             | 680                 | 10 × 12                  | 0.12                  | 2176                       | 12                               | 5,300                                    | PLP1C681MKG12 |
|             | 820                 | 10 × 12                  | 0.12                  | 2624                       | 12                               | 5,300                                    | PLP1C821MKG12 |
| 1,000       | 10 × 12             | 0.12                     | 3200                  | 12                         | 5,400                            | PLP1C102MKG12                            |               |