



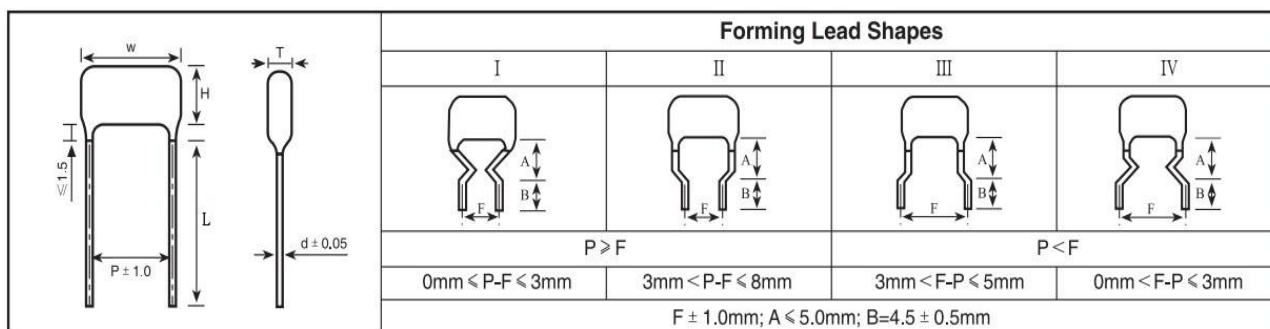
Electronic ballast capacitor CBB81 (PPS)

High-Voltage Metallized Polypropylene Film/Foil Capacitor Type: CBB81

为无感结构，用金属化聚丙烯膜作为电介质和铝箔为电极绕制而成，导线采用镀锡铜包钢线，使用环氧树脂包封。

Are non-inductively wound with metallized polypropylene film as dielectric and aluminum foil as the electrode with copper-clad steel leads and epoxy resin coating.

◆ 外形图: Outline Drawing:



◆ 特性:

- 启动电压高
- 额定电流值高。DV/DT 高
- 串联电极结构
- 具有自愈性

◆ Features:

- High corona starting voltage.
- High current rating and high dv/dt.
- Internal Serial electrode construction.
- Self healing properties.

◆ 主要用途:

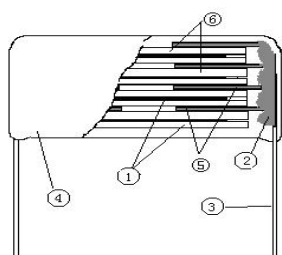
- 广泛用于高频、高脉冲、大电流电路中。
- 大屏幕显示器及彩电行逆程电路
- 缓冲器、转接开关、高压电源器、电子照明镇流器、节能灯等。

◆ Typical Applications:

- Widely used in high frequency and high pulse, large current circuits.
- Suitable for the high pulse and high current loading circuit.
- Buffer, connecting switch, high voltage power supply device, electronic lighting ballast, energy-saving lamps.

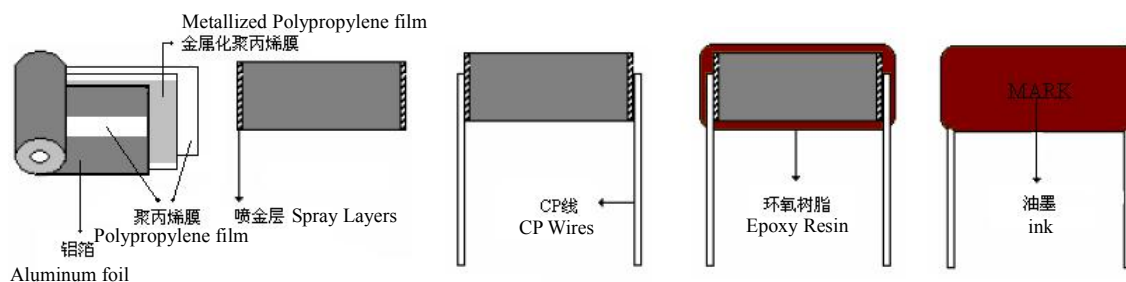
◆ 结构图:

structure chart:



- ① 金属化聚丙烯膜
- ② 喷金层
- ③ CP 线
- ④ 环氧树脂
- ⑤ 铝箔
- ⑥ 聚丙烯膜

- Metallized Polypropylene film
- Spray Layers
- CP Wires
- Epoxy Resin
- Aluminum foil
- Polypropylene film



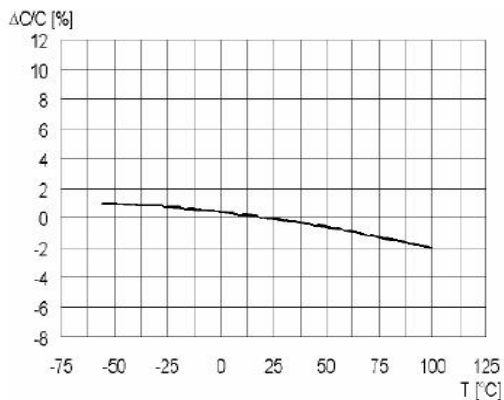
◆ 性能说明:
Specification:

| | |
|--|---|
| 参考标准 Reference Standards: | GB14759(IEC60384-17) |
| 额定电压 Rated Voltage(UR): | 1000VDC; 1250VDC; 1600VDC; 2000VDC |
| 气候类别 Climate Category | 40/105/21 |
| 额定温度 Rated Temperature | 85°C |
| 温度范围 Operation Temperature Range: | -40°C - +105°C |
| 电容量范围: Capacitance Range: | 0.001μF – 0.18μF |
| 电容量偏差范围 Capacitance Tolerance Range: | J(±5%); K(±10%) |
| 电介质 Dielectric: | Metallized Polypropylene Film |
| 损耗角正切 (25°C±5°C) Dissipation Factor Tanδ: | DF≤1μF 0.1% (10KHZ) |
| 绝缘电阻, 在引出端之间 Insulation Resistance (Between Terminals): | 100VDC, 1Min ≥100000MΩ |
| 耐电压 Withstand Voltage: | 1.75UR(5S) |
| 寿命试验: Life. Test Conditions: | 85±2°C, 1.25UR, 1,000Hours 电容变化率: 初始值的≤±2% Capacitance Drift: ≤±2% Of the initial value 损耗角正切≤1.5 倍原测量值的 (1KHz) Dissipation Factor ≤1.5 Of the initial value (1KHz) |

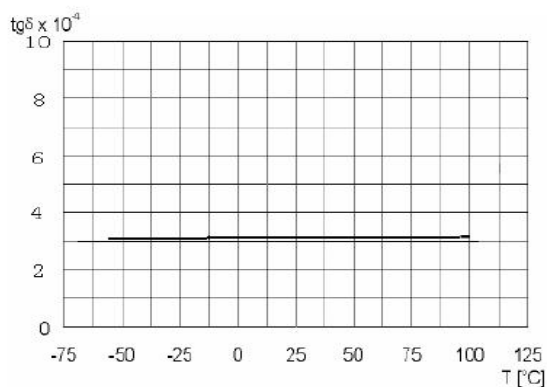


◆ 聚丙烯膜电容器特性曲线:

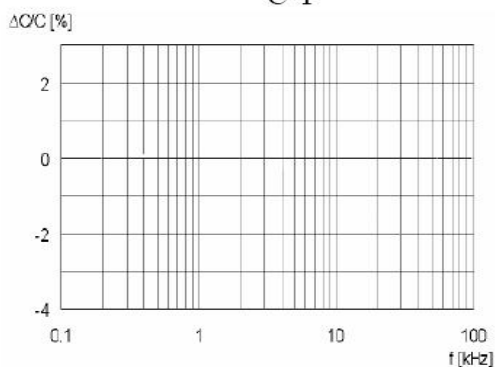
Polypropylene film capacitor characteristic curve:



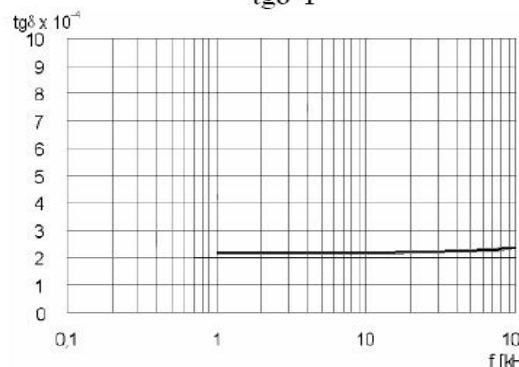
C-T



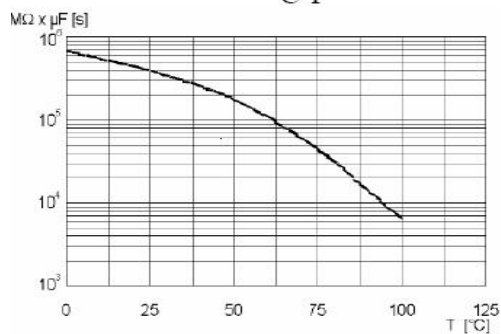
tgδ-T



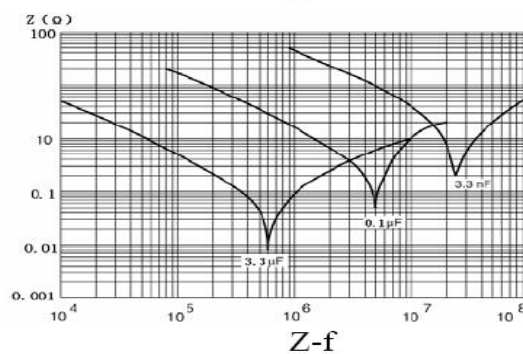
C-f



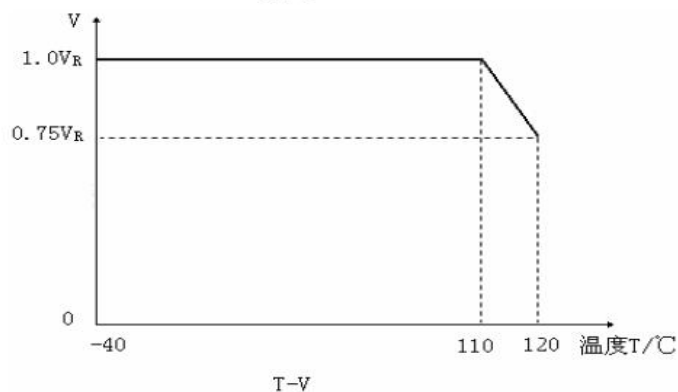
tgδ-f



R-T



Z-f



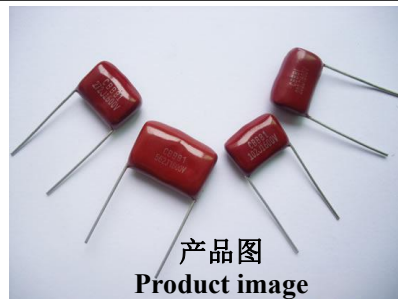
T-V



◆ 外形尺寸（mm）表

Dimension Lists (mm) Diagram

高压金属化聚丙烯膜电容器 CBB81
High-Voltage Metalized Polypropylene Film
Capacitor Type: CBB81



1000VDC(P=10) (400VAC)

| Cap Code | Cap Value uF | Part No | Dimensions (mm) | | | | |
|---|--------------|------------------|-----------------|-------|-------|--------|---------|
| | | | Wmax | T max | H max | P ±1.0 | d ±0.05 |
| 152 | 0.0015 | PPS152K(J)1000V | 13.0 | 4.0 | 7.5 | 10.0 | 0.6 |
| 182 | 0.0018 | PPS182K(J)1000V | 13.0 | 4.0 | 7.5 | 10.0 | 0.6 |
| 222 | 0.0022 | PPS222K(J)1000V | 13.0 | 4.5 | 8.0 | 10.0 | 0.6 |
| 272 | 0.0027 | PPS272K(J)1000V | 13.0 | 5.0 | 9.0 | 10.0 | 0.6 |
| 332 | 0.0033 | PPS332K(J)1000V | 13.0 | 5.0 | 10.0 | 10.0 | 0.6 |
| 392 | 0.0039 | PPS392K(J)1000V | 13.0 | 5.5 | 10.5 | 10.0 | 0.6 |
| 472 | 0.0047 | PPS472K(J)1000V | 13.0 | 6.0 | 11.0 | 10.0 | 0.6 |
| 562 | 0.0056 | PPS562K(J)1000V | 13.0 | 6.5 | 11.5 | 10.0 | 0.6 |
| 682 | 0.0068 | PPS682K(J)1000V | 13.0 | 5.5 | 10.5 | 10.0 | 0.6 |
| 822 | 0.0082 | PPS822K(J)1000V | 13.0 | 6.0 | 11.0 | 10.0 | 0.6 |
| 103 | 0.01 | PPS103K(J)1000V | 13.0 | 6.5 | 11.5 | 10.0 | 0.6 |
| 1000VDC/1250VDC(P=15 or wider) (450VAC) | | | | | | | |
| 102 | 0.001 | PPS102K(J)1250V | 19.0 | 6.0 | 10.0 | 15.0 | 0.8 |
| 122 | 0.0012 | PPS122K(J)1250V | 19.0 | 6.0 | 10.5 | 15.0 | 0.8 |
| 152 | 0.0015 | PPS152K(J)1250V | 19.0 | 6.0 | 11.0 | 15.0 | 0.8 |
| 182 | 0.0018 | PPS182K(J)1250V | 19.0 | 6.5 | 11.5 | 15.0 | 0.8 |
| 222 | 0.0022 | PPS222K(J)1250V | 19.0 | 7.0 | 12.5 | 15.0 | 0.8 |
| 272 | 0.0027 | PPS272K(J)1250V | 19.0 | 8.0 | 13.0 | 15.0 | 0.8 |
| 332 | 0.0033 | PPS332K(J)1250V | 19.0 | 8.5 | 14.0 | 15.0 | 0.8 |
| 392 | 0.0039 | PPS392K(J)1250V | 19.0 | 8.5 | 15.5 | 15.0 | 0.8 |
| 472 | 0.0047 | PPS472K(J)1250V | 19.0 | 10.0 | 17.0 | 15.0 | 0.8 |
| 562 | 0.0056 | PPS562K(J)1250VA | 19.0 | 11.0 | 17.5 | 15.0 | 0.8 |
| 562 | 0.0056 | PPS562K(J)1250VB | 24.0 | 7.5 | 13.0 | 20.0 | 0.8 |
| 682 | 0.0068 | PPS682K(J)1250VA | 19.0 | 7.0 | 12.5 | 15.0 | 0.8 |
| 682 | 0.0068 | PPS682K(J)1250VB | 24.0 | 8.0 | 15.0 | 20.0 | 0.8 |
| 822 | 0.0082 | PPS822K(J)1250VA | 19.0 | 8.0 | 13.5 | 15.0 | 0.8 |
| 822 | 0.0082 | PPS822K(J)1250VB | 24.0 | 8.6 | 15.6 | 20.0 | 0.8 |



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|-----------------|---------|------------------|------|------|------|------|-----|
| 103 | 0.01 | PPS103K(J)1250VA | 19.0 | 8.0 | 15.0 | 15.0 | 0.8 |
| 103 | 0.01 | PPS103K(J)1250VB | 24.0 | 9.5 | 16.5 | 20.0 | 0.8 |
| 123 | 0.012 | PPS123K(J)1250V | 24.0 | 10.5 | 17.5 | 20.0 | 0.8 |
| 153 | 0.015 | PPS153K(J)1250V | 24.0 | 12.0 | 18.5 | 20.0 | 0.8 |
| 183 | 0.018 | PPS183K(J)1250V | 24.0 | 12.5 | 20.5 | 20.0 | 0.8 |
| 223 | 0.022 | PPS223K(J)1250V | 24.0 | 13.5 | 22.0 | 20.0 | 0.8 |
| 273 | 0.027 | PPS273K(J)1250V | 24.0 | 15.0 | 23.5 | 20.0 | 0.8 |
| 183 | 0.018 | PPS183K(J)1250V | 29.0 | 9.0 | 17.5 | 25.0 | 0.8 |
| 223 | 0.022 | PPS223K(J)1250V | 29.0 | 10.5 | 19.0 | 25.0 | 0.8 |
| 273 | 0.027 | PPS273K(J)1250V | 29.0 | 9.5 | 18.0 | 25.0 | 0.8 |
| 333 | 0.033 | PPS333K(J)1250V | 29.0 | 10.5 | 19.0 | 25.0 | 0.8 |
| 393 | 0.039 | PPS393K(J)1250V | 29.0 | 11.5 | 20.0 | 25.0 | 0.8 |
| 473 | 0.047 | PPS473K(J)1250V | 29.0 | 12.5 | 21.0 | 25.0 | 0.8 |
| 563 | 0.056 | PPS563K(J)1250V | 29.0 | 14.0 | 22.0 | 25.0 | 0.8 |
| 683 | 0.068 | PPS683K(J)1250V | 29.0 | 15.1 | 23.5 | 25.0 | 0.8 |
| 823 | 0.082 | PPS823K(J)1250V | 29.0 | 17.0 | 25.5 | 25.0 | 0.8 |
| 104 | 0.1 | PPS104K(J)1250V | 35.0 | 11.5 | 20.0 | 30.0 | 0.8 |
| 124 | 0.12 | PPS124K(J)1250V | 35.0 | 13.0 | 21.0 | 30.0 | 0.8 |
| 154 | 0.15 | PPS154K(J)1250V | 35.0 | 14.5 | 23.0 | 30.0 | 0.8 |
| 184 | 0.18 | PPS184K(J)1250V | 35.0 | 15.0 | 25.0 | 30.0 | 0.8 |
| 224 | 0.22 | PPS224K(J)1250V | 35.0 | 17.0 | 27.0 | 30.0 | 0.8 |
| 274 | 0.27 | PPS274K(J)1250V | 35.0 | 19.0 | 29.0 | 30.0 | 0.8 |
| 334 | 0.33 | PPS334K(J)1250V | 35.0 | 21.0 | 31.0 | 30.0 | 0.8 |
| 394 | 0.39 | PPS394K(J)1250V | 35.0 | 23.0 | 33.0 | 30.0 | 0.8 |
| 474 | 0.47 | PPS474K(J)1250V | 35.0 | 25.5 | 35.5 | 30.0 | 0.8 |
| 1600VDC(600VAC) | | | | | | | |
| 851 | 0.00085 | PPS851K(J)1600V | 17.5 | 6.5 | 10.5 | 15.0 | 0.8 |
| 102 | 0.001 | PPS102K(J)1600V | 17.5 | 6.5 | 11.0 | 15.0 | 0.8 |
| 122 | 0.0012 | PPS122K(J)1600V | 17.5 | 6.5 | 11.0 | 15.0 | 0.8 |
| 152 | 0.0015 | PPS152K(J)1600V | 17.5 | 7.0 | 11.0 | 15.0 | 0.8 |
| 172 | 0.0017 | PPS172K(J)1600V | 17.5 | 7.0 | 11.0 | 15.0 | 0.8 |
| 182 | 0.0018 | PPS182K(J)1600V | 18.0 | 7.5 | 11.5 | 15.0 | 0.8 |
| 202 | 0.002 | PPS202K(J)1600V | 18.0 | 7.5 | 12.0 | 15.0 | 0.8 |
| 222 | 0.0022 | PPS222K(J)1600V | 18.0 | 7.8 | 12.0 | 15.0 | 0.8 |
| 252 | 0.0025 | PPS252K(J)1600V | 18.0 | 8.0 | 12.5 | 15.0 | 0.8 |
| 272 | 0.0027 | PPS272K(J)1600V | 18.0 | 8.1 | 13.0 | 15.0 | 0.8 |
| 302 | 0.003 | PPS302K(J)1600V | 18.0 | 8.2 | 13.0 | 15.0 | 0.8 |
| 332 | 0.0033 | PPS332K(J)1600V | 18.0 | 7.7 | 15.0 | 15.0 | 0.8 |
| 372 | 0.0037 | PPS372K(J)1600V | 16.5 | 8.5 | 15.5 | 15.0 | 0.8 |
| 472 | 0.0047 | PPS472K(J)1600VA | 17.5 | 6.5 | 11.0 | 15.0 | 0.8 |



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|-----------------|---------|------------------|------|------|------|------|-----|
| 472 | 0.0047 | PPS472K(J)1600VB | 22.0 | 7.0 | 13.0 | 20.0 | 0.8 |
| 562 | 0.0056 | PPS562K(J)1600V | 22.0 | 7.2 | 13.8 | 20.0 | 0.8 |
| 682 | 0.0068 | PPS682K(J)1600V | 24.0 | 8.0 | 15.0 | 20.0 | 0.8 |
| 822 | 0.0082 | PPS822K(J)1600V | 24.0 | 9.0 | 16.0 | 20.0 | 0.8 |
| 103 | 0.01 | PPS103K(J)1600V | 24.0 | 9.5 | 16.5 | 20.0 | 0.8 |
| 123 | 0.012 | PPS123K(J)1600V | 24.0 | 10.5 | 17.5 | 20.0 | 0.8 |
| 153 | 0.015 | PPS153K(J)1600VA | 24.0 | 12.0 | 18.5 | 20.0 | 0.8 |
| 183 | 0.018 | PPS183K(J)1600V | 24.0 | 12.1 | 20.4 | 20.0 | 0.8 |
| 223 | 0.022 | PPS223K(J)1600VA | 24.0 | 13.4 | 21.8 | 20.0 | 0.8 |
| 153 | 0.015 | PPS153K(J)1600VB | 29.0 | 8.0 | 16.5 | 25.0 | 0.8 |
| 183 | 0.018 | PPS183K(J)1600V | 29.0 | 9.0 | 17.5 | 25.0 | 0.8 |
| 223 | 0.022 | PPS223K(J)1600VB | 29.0 | 10.5 | 19.0 | 25.0 | 0.8 |
| 273 | 0.027 | PPS273K(J)1600V | 29.0 | 11.5 | 20.0 | 25.0 | 0.8 |
| 333 | 0.033 | PPS333K(J)1600V | 29.0 | 13.0 | 21.0 | 25.0 | 0.8 |
| 393 | 0.039 | PPS393K(J)1600V | 29.0 | 14.0 | 22.5 | 25.0 | 0.8 |
| 473 | 0.047 | PPS473K(J)1600V | 29.0 | 15.0 | 24.5 | 25.0 | 0.8 |
| 563 | 0.056 | PPS563K(J)1600V | 29.0 | 16.5 | 26.0 | 25.0 | 0.8 |
| 683 | 0.068 | PPS683K(J)1600V | 29.0 | 18.0 | 28.0 | 25.0 | 0.8 |
| 823 | 0.082 | PPS823K(J)1600V | 35.0 | 17.0 | 25.5 | 30.0 | 0.8 |
| 104 | 0.1 | PPS104K(J)1600V | 35.0 | 19.0 | 27.5 | 30.0 | 0.8 |
| 2000VDC(700VAC) | | | | | | | |
| 561 | 0.00056 | PPS561K(J)2000V | 19.0 | 6.3 | 11.5 | 15.0 | 0.8 |
| 681 | 0.00068 | PPS681K(J)2000V | 19.0 | 7.2 | 12.6 | 15.0 | 0.8 |
| 821 | 0.00082 | PPS821K(J)2000V | 19.0 | 7.8 | 13.2 | 15.0 | 0.8 |
| 102 | 0.001 | PPS102K(J)2000V | 19.0 | 8.0 | 15.0 | 15.0 | 0.8 |
| 122 | 0.0012 | PPS102K(J)200VA | 17.5 | 5.0 | 10.0 | 15.0 | 0.8 |
| 122 | 0.0012 | PPS122K(J)2000VB | 19.0 | 7.9 | 14.9 | 15.0 | 0.8 |
| 152 | 0.0015 | PPS152K(J)2000V | 19.0 | 9.4 | 16.2 | 15.0 | 0.8 |
| 182 | 0.0018 | PPS182K(J)2000V | 19.0 | 10.3 | 17.0 | 15.0 | 0.8 |
| 222 | 0.0022 | PPS222K(J)2000VA | 19.0 | 10.5 | 15.7 | 15.0 | 0.8 |
| 222 | 0.0022 | PPS222K(J)2000VB | 24.0 | 7.9 | 14.9 | 20.0 | 0.8 |
| 272 | 0.0027 | PPS272K(J)2000VA | 19.0 | 10.0 | 16.8 | 15.0 | 0.8 |
| 332 | 0.0033 | PPS332K(J)2000VA | 19.0 | 11.1 | 17.9 | 15.0 | 0.8 |
| 272 | 0.0027 | PPS272K(J)2000VB | 24.0 | 8.8 | 15.7 | 20.0 | 0.8 |
| 332 | 0.0033 | PPS332K(J)2000VB | 24.0 | 8.8 | 15.8 | 20.0 | 0.8 |
| 392 | 0.0039 | PPS392K(J)2000V | 24.0 | 10.1 | 16.9 | 20.0 | 0.8 |
| 472 | 0.0047 | PPS472K(J)2000VA | 24.0 | 11.0 | 17.8 | 20.0 | 0.8 |
| 562 | 0.0056 | PPS562K(J)2000VA | 24.0 | 10.4 | 17.2 | 20.0 | 0.8 |
| 682 | 0.0068 | PPS682K(J)2000VA | 24.0 | 10.8 | 19.2 | 20.0 | 0.8 |
| 822 | 0.0082 | PPS822K(J)2000VA | 24.0 | 11.9 | 20.3 | 20.0 | 0.8 |



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|-----|--------|------------------|------|------|------|------|-----|
| 103 | 0.01 | PPS103K(J)2000V | 24.0 | 12.2 | 20.5 | 20.0 | 0.8 |
| 123 | 0.012 | PPS123K(J)2000V | 24.0 | 13.4 | 21.7 | 20.0 | 0.8 |
| 472 | 0.0047 | PPS472K(J)2000VB | 28.0 | 8.4 | 16.9 | 25.0 | 0.8 |
| 562 | 0.0056 | PPS562K(J)2000VB | 29.0 | 9.7 | 18.0 | 25.0 | 0.8 |
| 682 | 0.0068 | PPS682K(J)2000VB | 29.0 | 10.7 | 19.0 | 25.0 | 0.8 |
| 822 | 0.0082 | PPS822K(J)2000VB | 29.0 | 10.7 | 19.0 | 25.0 | 0.8 |