

Type PSU AC Motor Start Capacitors

Non-polarized, Aluminum Electrolytic AC Motor Start Capacitors



The Type PSU is a compact non-polar, dual voltage rated, AC motor start capacitor constructed in a round rugged bakelite case. To extend the life of relay contact switches, the PSU can be purchased with optional bleeder resistors assembled with 1/4" quick-connect terminals. An optional mounting system consisting of a bracket that is attached to the capacitor case with one end cap is available. The PL end caps are for use with wiring through the bracket to the motor and the PLA end caps are for off motor mounting.

Optional Enhancements

End Caps

Mounting Bracket



Motor Start Resistor



Highlights

- ◆ Dual quick-connect terminals
- ◆ Rugged bakelite case
- ◆ Compact Size
- ◆ Resistor options
- ◆ Mounting options
- ◆ Non-polar
- ◆ Meets EIA RS-463 Type 2 (Normal Performance)
- ◆ Listed under UL file no. E128034

Specifications



Complies with the EU Directive 2002/95/EC requirement restricting the use of Lead (Pb), Mercury (Hg), Cadmium (Cd), Hexavalent chromium (Cr(VI)), PolyBrominated Biphenyls (PBB) and PolyBrominated Diphenyl Ethers (PBDE).

| | |
|-------------------------------------|---------------------------------|
| Capacitance Range: | 21 μ F to 1280 μ F |
| Voltage Range | 110 Vac to 330 Vac |
| Capacitance Tolerance: | See ratings table |
| Operating Temperature Range: | -40 °C to 65 °C |
| Storage Temperature Range: | -55 °C to 85 °C |
| Operating Frequency: | 50 Hz to 60 Hz |
| Power Factor: | 10% max (12% \leq 30 μ F) |

Ratings

| Cap (μ F) | Catalog Part Number | Voltage (Vac) | Case Code | Diameter \pm .015 (Inches) | Length \pm .06 (Inches) |
|-------------------|------------------------|------------------|--------------|------------------------------------|---------------------------------|
| 21-25 | PSU2115 | 110/125 | 1 | 1 7/16 | 2 3/4 |
| 25-30 | PSU2515 | 110/125 | 1 | 1 7/16 | 2 3/4 |
| 30-36 | PSU3015 | 110/125 | 1 | 1 7/16 | 2 3/4 |
| 36-43 | PSU3615 | 110/125 | 1 | 1 7/16 | 2 3/4 |
| 43-52 | PSU4315 | 110/125 | 1 | 1 7/16 | 2 3/4 |
| 47-56 | PSU4715 | 110/125 | 1 | 1 7/16 | 2 3/4 |
| 53-64 | PSU5315 | 110/125 | 1 | 1 7/16 | 2 3/4 |
| 64-77 | PSU6415 | 110/125 | 1 | 1 7/16 | 2 3/4 |
| 72-86 | PSU7215 | 110/125 | 1 | 1 7/16 | 2 3/4 |
| 88-106 | PSU8815 | 110/125 | 1 | 1 7/16 | 2 3/4 |
| 108-130 | PSU10815 | 110/125 | 1 | 1 7/16 | 2 3/4 |
| 124-149 | PSU12415 | 110/125 | 1 | 1 7/16 | 2 3/4 |
| 130-156 | PSU13015 | 110/125 | 1 | 1 7/16 | 2 3/4 |
| 145-174 | PSU14515 | 110/125 | 1 | 1 7/16 | 2 3/4 |
| 161-193 | PSU16115 | 110/125 | 1 | 1 7/16 | 2 3/4 |
| 189-227 | PSU18915A | 110/125 | 1 | 1 7/16 | 2 3/4 |
| 200-240 | PSU20015 | 110/125 | 2 | 1 7/16 | 3 3/8 |

| Cap (μ F) | Catalog Part Number | Voltage (Vac) | Case Code | Diameter \pm .015 (Inches) | Length \pm .06 (Inches) |
|-------------------|------------------------|------------------|--------------|------------------------------------|---------------------------------|
| 216-259 | PSU21615 | 110/125 | 2 | 1 7/16 | 3 3/8 |
| 216-259 | PSU21615A | 110/125 | 1 | 1 7/16 | 2 3/4 |
| 233-280 | PSU23315A | 110/125 | 2 | 1 7/16 | 3 3/8 |
| 233-280 | PSU23315B | 110/125 | 1 | 1 7/16 | 2 3/4 |
| 243-292 | PSU24315A | 110/125 | 2 | 1 7/16 | 3 3/8 |
| 243-292 | PSU24315B | 110/125 | 1 | 1 7/16 | 2 3/4 |
| 270-324 | PSU27015A | 110/125 | 2 | 1 7/16 | 3 3/8 |
| 270-324 | PSU27015B | 110/125 | 1 | 1 7/16 | 2 3/4 |
| 300-360 | PSU30015 | 110/125 | 4 | 1 13/16 | 3 3/8 |
| 324-389 | PSU32415A | 110/125 | 3 | 1 7/16 | 4 3/8 |
| 324-389 | PSU32415B | 110/125 | 1 | 1 7/16 | 2 3/4 |
| 340-408 | PSU34015 | 110/125 | 4 | 1 13/16 | 3 3/8 |
| 340-408 | PSU34015A | 110/125 | 2 | 1 7/16 | 3 3/8 |
| 378-454 | PSU37815 | 110/125 | 4 | 1 13/16 | 3 3/8 |
| 378-454 | PSU37815A | 110/125 | 2 | 1 7/16 | 3 3/8 |
| 400-480 | PSU40015 | 110/125 | 4 | 1 13/16 | 3 3/8 |
| 400-480 | PSU40015A | 110/125 | 2 | 1 7/16 | 3 3/8 |

See page 5.00 for capacitor hardware and resistor options.

Type PSU AC Motor Start Capacitors

Ratings

| Cap (μ F) | Catalog Part Number | Voltage (Vac) | Case Code | Diameter ± 0.15 (Inches) | Length ± 0.06 (Inches) |
|-------------------|------------------------|------------------|--------------|------------------------------------|----------------------------------|
| 430-516 | PSU43015A | 110/125 | 4 | 1 13/16 | 3 3/8 |
| 430-516 | PSU43015B | 110/125 | 2 | 1 7/16 | 3 3/8 |
| 460-552 | PSU46015A | 110/125 | 4 | 1 13/16 | 3 3/8 |
| 460-552 | PSU46015B | 110/125 | 2 | 1 7/16 | 3 3/8 |
| 540-648 | PSU54015A | 110/125 | 4 | 1 13/16 | 3 3/8 |
| 540-648 | PSU54015B | 110/125 | 5 | 1 13/16 | 4 3/8 |
| 590-708 | PSU59015A | 110/125 | 5 | 1 13/16 | 4 3/8 |
| 590-708 | PSU59015B | 110/125 | 4 | 1 13/16 | 3 3/8 |
| 645-774 | PSU64515 | 110/125 | 5 | 1 13/16 | 4 3/8 |
| 645-774 | PSU64515A | 110/125 | 4 | 1 13/16 | 3 3/8 |
| 708-850 | PSU70815 | 110/125 | 5 | 1 13/16 | 4 3/8 |
| 708-850 | PSU70815A | 110/125 | 4 | 1 13/16 | 3 3/8 |
| 720-864 | PSU72015 | 110/125 | 5 | 1 13/16 | 4 3/8 |
| 720-864 | PSU72015A | 110/125 | 4 | 1 13/16 | 3 3/8 |
| 800-960 | PSU80015 | 110/125 | 5 | 1 13/16 | 4 3/8 |
| 800-960 | PSU80015A | 110/125 | 4 | 1 13/16 | 3 3/8 |
| 815-978 | PSU81515 | 110/125 | 5 | 1 13/16 | 4 3/8 |
| 815-978 | PSU81515A | 110/125 | 4 | 1 13/16 | 3 3/8 |
| 829-995 | PSU82915A | 110/125 | 5 | 1 13/16 | 4 3/8 |
| 829-995 | PSU82915B | 110/125 | 4 | 1 13/16 | 3 3/8 |
| 850-1020 | PSU85015 | 110/125 | 5 | 1 13/16 | 4 3/8 |
| 850-1020 | PSU85015A | 110/125 | 4 | 1 13/16 | 3 3/8 |
| 1000-1200 | PSU100015A | 110/125 | 7 | 2 1/16 | 4 3/8 |
| 1020-1224 | PSU102015 | 110/125 | 7 | 2 1/16 | 4 3/8 |
| 1175-1410 | PSU117515 | 110/125 | 7 | 2 1/16 | 4 3/8 |
| 1280-1536 | PSU128015 | 110/125 | 7 | 2 1/16 | 4 3/8 |
| 21-25 | PSU2165A | 165 | 1 | 1 7/16 | 2 3/4 |
| 25-30 | PSU2565A | 165 | 1 | 1 7/16 | 2 3/4 |
| 30-36 | PSU3065A | 165 | 1 | 1 7/16 | 2 3/4 |
| 36-43 | PSU3665A | 165 | 1 | 1 7/16 | 2 3/4 |
| 43-52 | PSU4365A | 165 | 1 | 1 7/16 | 2 3/4 |
| 47-56 | PSU4765A | 165 | 1 | 1 7/16 | 2 3/4 |
| 53-64 | PSU5365A | 165 | 1 | 1 7/16 | 2 3/4 |
| 64-77 | PSU6465A | 165 | 1 | 1 7/16 | 2 3/4 |
| 72-86 | PSU7265A | 165 | 1 | 1 7/16 | 2 3/4 |
| 88-106 | PSU8865 | 165 | 2 | 1 7/16 | 3 3/8 |
| 88-106 | PSU8865A | 165 | 1 | 1 7/16 | 2 3/4 |
| 108-130 | PSU10865 | 165 | 2 | 1 7/16 | 3 3/8 |
| 108-130 | PSU10865A | 165 | 1 | 1 7/16 | 2 3/4 |
| 124-149 | PSU12465 | 165 | 2 | 1 7/16 | 3 3/8 |
| 124-149 | PSU12465A | 165 | 1 | 1 7/16 | 2 3/4 |
| 130-156 | PSU13065 | 165 | 2 | 1 7/16 | 3 3/8 |
| 130-156 | PSU13065A | 165 | 1 | 1 7/16 | 2 3/4 |
| 145-174 | PSU14565 | 165 | 2 | 1 7/16 | 3 3/8 |
| 145-174 | PSU14565A | 165 | 1 | 1 7/16 | 2 3/4 |
| 161-193 | PSU16165 | 165 | 2 | 1 7/16 | 3 3/8 |
| 161-193 | PSU16165A | 165 | 1 | 1 7/16 | 2 3/4 |

| Cap (μ F) | Catalog Part Number | Voltage (Vac) | Case Code | Diameter ± 0.15 (Inches) | Length ± 0.06 (Inches) |
|-------------------|------------------------|------------------|--------------|------------------------------------|----------------------------------|
| 189-227 | PSU18965B | 165 | 2 | 1 7/16 | 3 3/8 |
| 189-227 | PSU18965C | 165 | 1 | 1 7/16 | 2 3/4 |
| 216-259 | PSU21665A | 165 | 4 | 1 13/16 | 3 3/8 |
| 233-280 | PSU23365 | 165 | 3 | 1 7/16 | 4 3/8 |
| 233-280 | PSU23365A | 165 | 4 | 1 13/16 | 3 3/8 |
| 243-292 | PSU24365 | 165 | 3 | 1 7/16 | 4 3/8 |
| 243-292 | PSU24365A | 165 | 4 | 1 13/16 | 3 3/8 |
| 270-324 | PSU27065A | 165 | 3 | 1 7/16 | 4 3/8 |
| 270-324 | PSU27065B | 165 | 4 | 1 13/16 | 3 3/8 |
| 324-389 | PSU32465 | 165 | 5 | 1 13/16 | 4 3/8 |
| 324-389 | PSU32465A | 165 | 4 | 1 13/16 | 3 3/8 |
| 340-408 | PSU34065 | 165 | 5 | 1 13/16 | 4 3/8 |
| 340-408 | PSU34065A | 165 | 4 | 1 13/16 | 3 3/8 |
| 378-454 | PSU37865 | 165 | 5 | 1 13/16 | 4 3/8 |
| 378-454 | PSU37865A | 165 | 4 | 1 13/16 | 3 3/8 |
| 400-480 | PSU40065 | 165 | 5 | 1 13/16 | 4 3/8 |
| 400-480 | PSU40065A | 165 | 4 | 1 13/16 | 3 3/8 |
| 430-516 | PSU43065 | 165 | 5 | 1 13/16 | 4 3/8 |
| 430-516 | PSU43065A | 165 | 4 | 1 13/16 | 3 3/8 |
| 460-552 | PSU46065 | 165 | 5 | 1 13/16 | 4 3/8 |
| 460-552 | PSU46065A | 165 | 4 | 1 13/16 | 3 3/8 |
| 540-648 | PSU54065 | 165 | 7 | 2 1/16 | 4 3/8 |
| 540-648 | PSU54065A | 165 | 4 | 1 13/16 | 3 3/8 |
| 21-25 | PSU2135 | 220/250 | 1 | 1 7/16 | 2 3/4 |
| 25-30 | PSU2535 | 220/250 | 1 | 1 7/16 | 2 3/4 |
| 30-36 | PSU3035 | 220/250 | 1 | 1 7/16 | 2 3/4 |
| 36-43 | PSU3635 | 220/250 | 1 | 1 7/16 | 2 3/4 |
| 43-52 | PSU4335B | 220/250 | 2 | 1 7/16 | 3 3/8 |
| 43-52 | PSU4335C | 220/250 | 1 | 1 7/16 | 2 3/4 |
| 47-56 | PSU4735 | 220/250 | 2 | 1 7/16 | 3 3/8 |
| 47-56 | PSU4735A | 220/250 | 1 | 1 7/16 | 2 3/4 |
| 53-64 | PSU5335 | 220/250 | 2 | 1 7/16 | 3 3/8 |
| 53-64 | PSU5335A | 220/250 | 1 | 1 7/16 | 2 3/4 |
| 64-77 | PSU6435 | 220/250 | 2 | 1 7/16 | 3 3/8 |
| 64-77 | PSU6435A | 220/250 | 1 | 1 7/16 | 2 3/4 |
| 72-86 | PSU7235 | 220/250 | 4 | 1 13/16 | 3 3/8 |
| 88-106 | PSU8835 | 220/250 | 4 | 1 13/16 | 3 3/8 |
| 108-130 | PSU10835A | 220/250 | 4 | 1 13/16 | 3 3/8 |
| 124-149 | PSU12435 | 220/250 | 5 | 1 13/16 | 4 3/8 |
| 124-149 | PSU12435A | 220/250 | 4 | 1 13/16 | 3 3/8 |
| 130-156 | PSU13035 | 220/250 | 5 | 1 13/16 | 4 3/8 |
| 130-156 | PSU13035A | 220/250 | 4 | 1 13/16 | 3 3/8 |
| 145-174 | PSU14535 | 220/250 | 5 | 1 13/16 | 4 3/8 |
| 145-174 | PSU14535A | 220/250 | 4 | 1 13/16 | 3 3/8 |
| 161-193 | PSU16135A | 220/250 | 7 | 2 1/16 | 4 3/8 |
| 189-227 | PSU18935A | 220/250 | 7 | 2 1/16 | 4 3/8 |
| 189-227 | PSU18935B | 220/250 | 6 | 2 1/16 | 3 3/8 |

See page 5.000 for capacitor hardware and resistor options.

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Ratings

| Cap (μ F) | Catalog Part Number | Voltage (Vac) | Case Code | Diameter ± 0.015 (Inches) | Length ± 0.06 (Inches) |
|-------------------|------------------------|------------------|--------------|-------------------------------------|----------------------------------|
| 216-259 | PSU21635A | 220/250 | 7 | 2 1/16 | 4 3/8 |
| 216-259 | PSU21635B | 220/250 | 6 | 2 1/16 | 3 3/8 |
| 233-280 | PSU23335A | 220/250 | 7 | 2 1/16 | 4 3/8 |
| 233-280 | PSU23335B | 220/250 | 6 | 2 1/16 | 3 3/8 |
| 243-292 | PSU24335 | 220/250 | 7 | 2 1/16 | 4 3/8 |
| 243-292 | PSU24335A | 220/250 | 6 | 2 1/16 | 3 3/8 |
| 270-324 | PSU27035A | 220/250 | 7 | 2 1/16 | 4 3/8 |
| 270-324 | PSU27035B | 220/250 | 6 | 2 1/16 | 3 3/8 |
| 16-20 | PSU1630 | 330 | 2 | 1 7/16 | 3 3/8 |
| 18-22 | PSU1830 | 330 | 4 | 1 13/16 | 3 3/8 |
| 21-25 | PSU2130 | 330 | 1 | 1 7/16 | 2 3/4 |
| 21-25 | PSU2130A | 330 | 2 | 1 7/16 | 3 3/8 |
| 25-30 | PSU2530 | 330 | 2 | 1 7/16 | 3 3/8 |
| 30-36 | PSU3030 | 330 | 2 | 1 7/16 | 3 3/8 |
| 36-43 | PSU3630 | 330 | 2 | 1 7/16 | 3 3/8 |
| 43-52 | PSU4330 | 330 | 2 | 1 7/16 | 3 3/8 |
| 43-52 | PSU4330A | 330 | 4 | 1 13/16 | 3 3/8 |
| 47-56 | PSU4730 | 330 | 4 | 1 13/16 | 3 3/8 |
| 53-64 | PSU5330B | 330 | 4 | 1 13/16 | 3 3/8 |
| 64-77 | PSU6430 | 330 | 4 | 1 13/16 | 3 3/8 |

| Cap (μ F) | Catalog Part Number | Voltage (Vac) | Case Code | Diameter ± 0.015 (Inches) | Length ± 0.06 (Inches) |
|-------------------|------------------------|------------------|--------------|-------------------------------------|----------------------------------|
| 72-86 | PSU7230B | 330 | 5 | 1 13/16 | 4 3/8 |
| 72-86 | PSU7230C | 330 | 4 | 1 13/16 | 3 3/8 |
| 88-106 | PSU8830A | 330 | 5 | 1 13/16 | 4 3/8 |
| 88-106 | PSU8830B | 330 | 4 | 1 13/16 | 3 3/8 |
| 108-130 | PSU10830B | 330 | 7 | 2 1/16 | 4 3/8 |
| 124-149 | PSU12430 | 330 | 8 | 2 9/16 | 4 3/8 |
| 124-149 | PSU12430A | 330 | 7 | 2 1/16 | 4 3/8 |
| 130-156 | PSU13030 | 330 | 7 | 2 1/16 | 4 3/8 |
| 145-174 | PSU14530A | 330 | 7 | 2 1/16 | 4 3/8 |
| 161-193 | PSU16130 | 330 | 8 | 2 9/16 | 4 3/8 |
| 161-193 | PSU16130A | 330 | 7 | 2 1/16 | 4 3/8 |
| 189-227 | PSU18930 | 330 | 8 | 2 9/16 | 4 3/8 |
| 189-227 | PSU18930A | 330 | 7 | 2 1/16 | 4 3/8 |
| 216-259 | PSU21630 | 330 | 8 | 2 9/16 | 4 3/8 |
| 216-259 | PSU21630A | 330 | 7 | 2 1/16 | 4 3/8 |
| 270-324 | PSU27030 | 330 | 8 | 2 9/16 | 4 3/8 |
| 270-324 | PSU27030A | 330 | 7 | 2 1/16 | 4 3/8 |
| 378-454 | PSU37830 | 330 | 8 | 2 9/16 | 4 3/8 |
| 460-552 | PSU46030 | 330 | 8 | 2 9/16 | 4 3/8 |

See page 5.000 for capacitor hardware and resistor options.

| Case Code | Inches | | |
|--------------|----------------------|-----------------------|-------------|
| | D (± 0.015) | L (+0.020, -0.030) | C (Ref.) |
| 1 | 1-7/16 (1.4375) | 2-3/4 (2.750) | 1/2 (.500) |
| 2 | 1-7/16 (1.4375) | 3-3/8 (3.375) | 1/2 (.500) |
| 3 | 1-7/16 (1.4375) | 4-3/8 (4.375) | 1/2 (.500) |
| 4 | 1-13/16 (1.8125) | 3-3/8 (3.375) | 5/8 (.625) |
| 5 | 1-13/16 (1.8125) | 4-3/8 (4.375) | 5/8 (.625) |
| 6 | 2-1/16 (2.0625) | 3-3/8 (3.375) | 7/8 (.875) |
| 7 | 2-1/16 (2.0625) | 4-3/8 (4.375) | 7/8 (.875) |
| 8 | 2-9/16 (2.5625) | 4-3/8 (4.375) | 7/8 (.875) |



Single Disconnect Terminals
(SQC)
(All Cases)



Компания «Океан Электроники» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Компания «Океан Электроники» является официальным дистрибьютором и эксклюзивным представителем в России одного из крупнейших производителей разъемов военного и аэрокосмического назначения «JONHON», а так же официальным дистрибьютором и эксклюзивным представителем в России производителя высокотехнологичных и надежных решений для передачи СВЧ сигналов «FORSTAR».



JONHON

«JONHON» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели,
кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



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