

International Series-Standard Profile

Prem Magnetics, Inc. • 3521 North Chapel Hill Road • McHenry, IL 60050 • Tel: 815-385-2700 • Fax: 815-385-8578 • E-Mail: sales@premmag.com • Website: http://www.premmag.com

Perhaps the Most Approved Transformers in the World!



▲ Superior Design

- Shrouded primaries/three flange bobbins
- No electrostatic shield required.
- Immersed in 100% solids epoxy to withstand most aqueous and solvent cleaning systems.
- Anchor, insulating and crossover tapes, and shrouded primaries.
- Two distinct, separate windings for each primary and secondary assure excellent HIPOT capability between these dual windings.
- Bobbin and shroud material - UL94V0.
- SPW-3600 Series interchangeable with non-VDE units such as Prem's SPW-600-D Series.

▲ 100% Final Tested

- Every transformer is tested on automated panels for induced voltage (shorted turns), exciting current, open circuit voltage (turns ratio), polarity (phasing) and dielectric strength.
- 4500 VRMS dielectric strength (HIPOT) pri - sec

(1) Does not apply to SPW-3600 Series (2) Applies only to SPW-3600 Series

| Fuse Types/Values Used to Gain Safety Agency Component Recognition(s) | | | | | | |
|---|------------------|--------------------|---------------------|--------------------------|--|--------------------|
| SPW-Part | 1000-1006 | 1100-1106 | 1200-1206 | 1301-1306 ⁽¹⁾ | 3600-3609 | |
| Circuit Location | Primary | Primary | Primary | Primary ⁽²⁾ | Primary | |
| Fuse P/N | 115Vin 230Vin | 218.063 218.032 | MDL-1/8 MDL-1/16 | MDL-2/10 MDL-1/10 | MDL-3/10 ⁽¹⁾ MDL-15/100 ⁽¹⁾ | 218.200 218.100 |
| Fuse Mfr | L ² | B ² | B ² | B ² | L ² | |

Notes: ¹ SPW-1300 Req's Sec. Fusing - Contact Factory; ² Littelfuse, Inc.; Des Plaines, IL; ³ Busmann/Cooper, St. Louis, MO

Optional Mounting Hole*

SPW-1000, SPW-1100, SPW-1200 & SPW-3600 Series
BOTTOM VIEW

Square PC Terminals

Primary Voltages:
Pins 1-2 3-4
115/230 Volts 50/60 Hz

Primary Voltages:
Pins 1-3 4-6
115/230 Volts 50/60 Hz

SPW-1000
2.5 VA

SPW-1100
5.0 VA

SPW-1200
10.0 VA

SPW-1300
20.0 VA

SPW-3600
12.0 VA

* Refer to Technical Bulletin #214
• Indicates like polarity

Note: Primary and secondary windings are designed to be used as one primary and one secondary winding with either parallel or series connection only.

UL - #1950, #1585 Class II, III, #1446
CSA - #22.2 No. 66 - 1988 General Purpose
IEC - #950
VDE - #0805, EN 60950
UL/C-UL - tested to CSA 22.2 No. 234M90

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| VA | Part No. | Secondary RMS Rating | |
|------|-----------|----------------------|-------------------|
| | | Parallel | Series |
| 2.5 | SPW-1000 | 5V @ 500 mA | 10V CT @ 250 mA |
| | SPW-1001 | 6.3V @ 400 mA | 12.6V CT @ 200 mA |
| | SPW-1002 | 8V @ 300 mA | 16V CT @ 150 mA |
| | SPW-1003 | 10V @ 240 mA | 20V CT @ 120 mA |
| | SPW-1004 | 12V @ 200 mA | 24V CT @ 100 mA |
| | SPW-1005 | 14V @ 180 mA | 28V CT @ 90 mA |
| 5.0 | SPW-1100 | 5V @ 1.0A | 10V CT @ 500 mA |
| | SPW-1101 | 6.3V @ 800 mA | 12.6V CT @ 400 mA |
| | SPW-1102 | 8V @ 620 mA | 16V CT @ 310 mA |
| | SPW-1103 | 10V @ 500 mA | 20V CT @ 250 mA |
| | SPW-1104 | 12V @ 420 mA | 24V CT @ 210 mA |
| | SPW-1105 | 14V @ 360 mA | 28V CT @ 180 mA |
| 10.0 | SPW-1200 | 5V @ 2.0A | 10V CT @ 1.0A |
| | SPW-1201 | 6.3V @ 1.6A | 12.6V CT @ 800 mA |
| | SPW-1202 | 8V @ 1.25A | 16V CT @ 620 mA |
| | SPW-1203 | 10V @ 1.0A | 20V CT @ 500 mA |
| | SPW-1204 | 12V @ 840 mA | 24V CT @ 420 mA |
| | SPW-1205 | 14V @ 720 mA | 28V CT @ 360 mA |
| 12.0 | SPW-1206 | 18V @ 560 mA | 36V CT @ 280 mA |
| | SPW-3600 | 5V @ 2.4A | 10V CT @ 1.2A |
| | SPW-3601 | 6.3V @ 2.0A | 12.6V CT @ 1.0A |
| | SPW-3602 | 8V @ 1.6A | 16V CT @ 800 mA |
| | SPW-3603 | 10V @ 1.2A | 20V CT @ 600 mA |
| | SPW-3604 | 12V @ 1.0A | 24V CT @ 500 mA |
| 20.0 | SPW-3605 | 14V @ 850 mA | 28V CT @ 425 mA |
| | SPW-3606 | 18V @ 700 mA | 36V CT @ 350 mA |
| | SPW-3607 | 24V @ 500A | 48V CT @ 250 mA |
| | SPW-3608 | 28V @ 440 mA | 56V CT @ 220 mA |
| | SPW-3609* | 60V @ 200 mA | 120V CT @ 100 mA |
| | SPW-1300 | 5V @ 4.0A | 10V CT @ 2.0A |
| 20.0 | SPW-1301 | 6.3V @ 3.2A | 12.6V CT @ 1.6A |
| | SPW-1302 | 8V @ 2.5A | 16V CT @ 1.25A |
| | SPW-1303 | 10V @ 2.0A | 20V CT @ 1.0A |
| | SPW-1304 | 12V @ 1.66A | 24V CT @ 830mA |
| | SPW-1305 | 14V @ 1.44A | 28V CT @ 720 mA |
| | SPW-1306 | 18V @ 1.12A | 36V CT @ 560 mA |

| PDEM | SPW-1000 | SPW-1100 | SPW-1200 | SPW-1300 | SPW-3600 |
|------------|----------------------|----------------------|----------------------|----------------------|-----------------------------|
| VA | 2.5 | 5.0 | 10.0 | 20.0 | 12.0 |
| A | 1.625" (41.28) | 1.625" (41.28) | 1.875" (47.63) | 2.250" (57.15) | 1.875" (47.63) |
| B | 1.440" (36.58) | 1.440" (36.58) | 1.585" (40.26) | 1.875" (47.63) | 1.600" (40.64) |
| C | 1.125" (28.58) | 1.375" (34.93) | 1.375" (34.93) | 1.525" (41.28) | 1.630" (41.40) |
| D | 0.200" (5.08) | 0.200" (5.08) | 0.200" (5.08) | 0.400" (10.16) | 0.300" (7.62) |
| E | 0.250" (6.35) | 0.400" (10.16) | 0.400" (10.16) | 0.400" (10.16) | 0.400" (10.16) |
| F | 1.000" (25.40) | 1.000" (25.40) | 1.140" (28.96) | 1.460" (37.08) | 1.410" (35.81) |
| G | 1.062" (26.97) | 1.062" (26.97) | 1.250" (31.75) | 1.500" (38.10) | 1.250" (31.75) |
| Screw Size | #4 | #4 | #4 | #4 | #4 |
| H | 0.187"min. (4.75) | 0.187"min. (4.75) | 0.187"min. (4.75) | 0.187"min (4.75) | 0.250"min (6.35) |
| Pin Size | 0.025"sq. (.635 sq.) | 0.025"sq. (.635 sq.) | 0.036"sq. (.914 sq.) | 0.036"sq. (.914 sq.) | .020 x .041" (0.508 x 1.04) |

() = mm * Voltage rating cannot be approved under UL 1585