

Prem's **SPW-2300 Series** is a group of 12VA, International-Capable, Low Profile, PC mount transformers with dual 115/230V primaries and dual secondaries that are designed to be used in low power applications where minimum height is required. They provide the high isolation, creepage, and clearance distances required to comply with many international safety standards.

- Dual primaries & dual secondaries: Must be series or parallel connected
- Insulation system: Class B (130°C), UL 1446 (File E85315)
- Dielectric strength: 4500Vrms primary to secondary
- UL94V-0-rated bobbin & shroud
- Shrouded primary & three flange bobbin design; no electrostatic shield required
- Anchor, insulating, and crossover tapes plus two distinct, separate windings for each primary & secondary assure excellent dielectric strength capabilities
- 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
- Immersed in 100% solids epoxy resin to withstand most aqueous and solvent cleaning systems
- Also available: Domestic, UL/CSA approved, & pin-out compatible **SPW-300 Series**
- Other primary and secondary voltages may be custom designed to your specifications

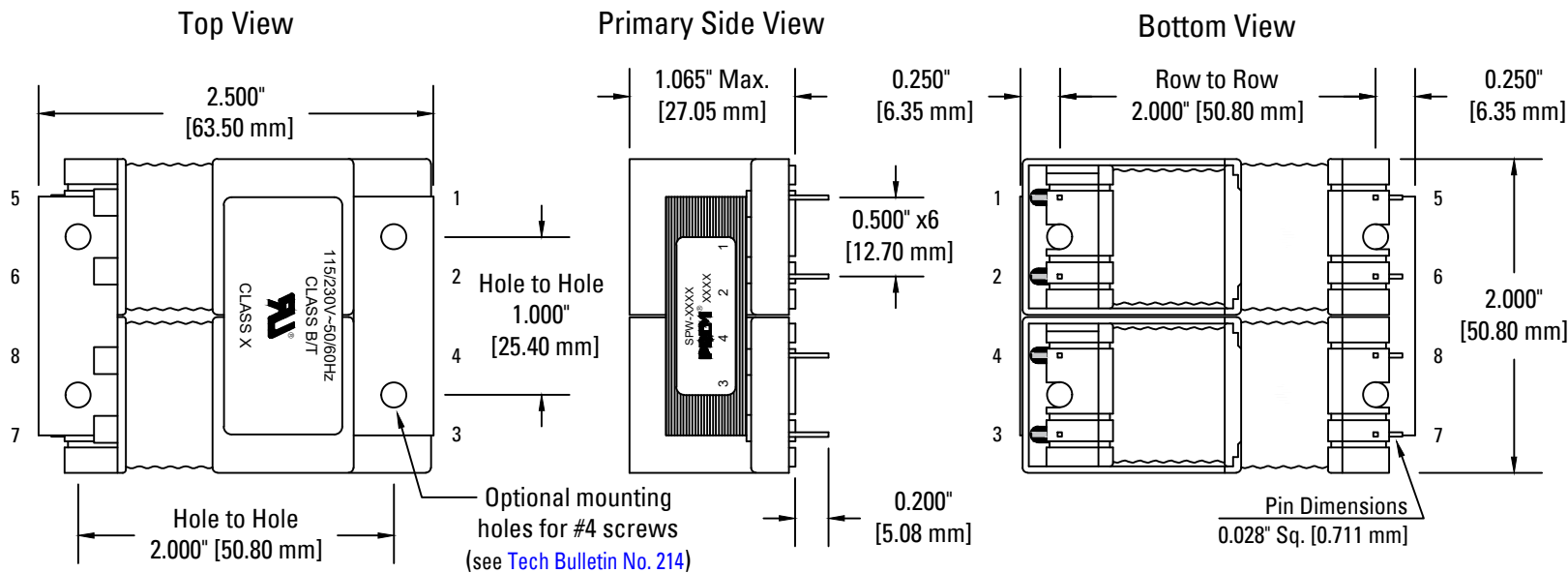
SPW-2300 Series (12VA) Data Sheet

AGENCY CERTIFICATIONS:

UL 1446 (File E85315)

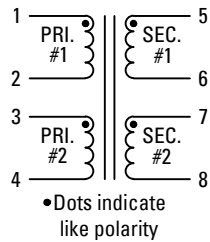
UL 1950 (File E125106)

UL 1585/5085-3 Class 2 & 3:
SPW-2300 to -2307, &
SPW-2311 (File E125107)



All dimensions for reference only.

Schematic



PRIMARY AND SECONDARY WINDINGS ARE DESIGNED TO BE USED AS ONE PRIMARY AND ONE SECONDARY WINDING WITH EITHER SERIES OR PARALLEL CONNECTIONS ONLY.

Input Voltage 1-4 (tie 2-3): 230V @ 50/60Hz
 Input Voltage 1-4 (tie 1-3, 2-4): 115V @ 50/60Hz

Secondary Series Connections: Tie 6-7; output 5-8
 Secondary Parallel Connections: Tie 5-7, 6-8; output 5-8

FUSE TYPES/VALUES USED TO GAIN SAFETY AGENCY COMPONENT RECOGNITION:

Fuse circuit location: Primary Fuse manufacturer: Littelfuse, Inc. (Des Plaines, IL)
 Fuse P/N: 218.100 (230V Input) or 218.200 (115V Input)

PART NUMBER	RMS RATING WITH SECONDARIES IN:	
	SERIES	PARALLEL
SPW-2300	10VCT @ 1.2A	5V @ 2.4A
SPW-2301	12.6VCT @ 900mA	6.3V @ 1.8A
SPW-2302	16VCT @ 700mA	8V @ 1.4A
SPW-2303	20VCT @ 600mA	10V @ 1.2A
SPW-2304	24VCT @ 500mA	12V @ 1.0A
SPW-2305	34VCT @ 340mA	17V @ 680mA
SPW-2306	40VCT @ 300mA	20V @ 600mA
SPW-2307	56VCT @ 200mA	28V @ 400mA
SPW-2308 *	88VCT @ 130mA	44V @ 260mA
SPW-2309 *	120VCT @ 100mA	60V @ 200mA
SPW-2310 *	230VCT @ 50mA	115V @ 100mA
SPW-2311	30VCT @ 400mA	15V @ 800mA

* Voltage ratings cannot be approved under UL 1585/5085-3

6/14/19 | -5 | Updated agency approvals | AG

11/9/15 | -4 | Updated agency approvals | RR

DATE | ISS. | REVISION | BY

Designed by: JRH 3/10/93
 Drawn by: AG 6/14/19
 Checked by: DB & TJK
 Drawing rev.: SPW-2300-5

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