

Prem's **SPW-3150 Series** is a group of 9.0VA, 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-150 Series**
- Other primary and secondary voltages may be custom designed to your specifications

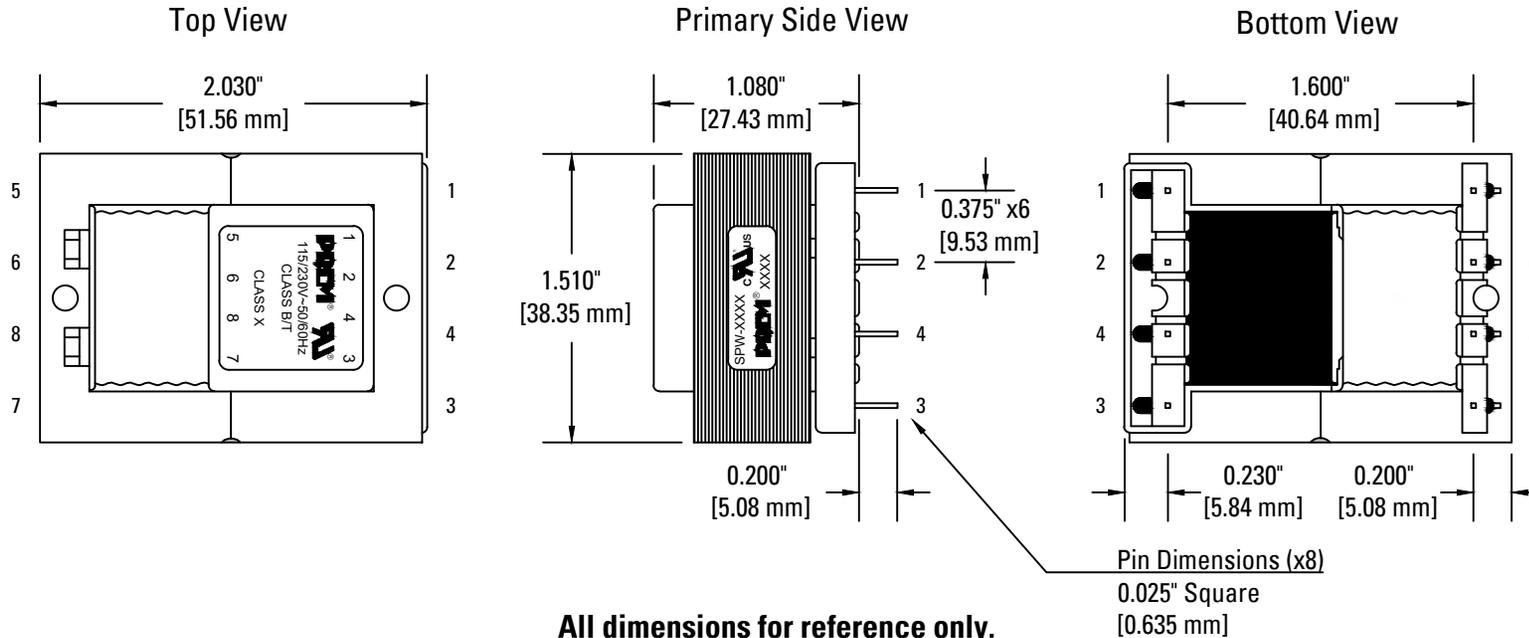
SPW-3150 Series (9.0VA) Data Sheet

AGENCY CERTIFICATIONS:

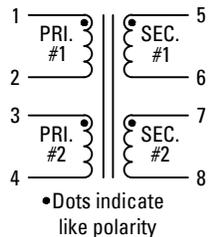
UL 1446 (File E85315)

UL 1585/5085-3 Class 2 & 3:
SPW-3150 to -3157, &
SPW-3161 (File E125107)

cUL: UL tested to CAN/CSA
C22.2 No. 66.1-06, 66.3-06
(Class 2): SPW-3150 to
-3153 (File E125107)



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: 313.100 (230V Input) or 313.200 (115V Input)

PART NUMBER	RMS RATING WITH SECONDARIES IN:	
	SERIES	PARALLEL
SPW-3150	10VCT @ 900mA	5V @ 1.80A
SPW-3151	12.6VCT @ 725mA	6.3V @ 1.45A
SPW-3152	16VCT @ 562mA	8V @ 1.125A
SPW-3153	20VCT @ 450mA	10V @ 900mA
SPW-3154	24VCT @ 375mA	12V @ 750mA
SPW-3155	34VCT @ 265mA	17V @ 530mA
SPW-3156	40VCT @ 225mA	20V @ 450mA
SPW-3157	56VCT @ 161mA	28V @ 322mA
SPW-3158 *	88VCT @ 102mA	44V @ 204mA
SPW-3159 *	120VCT @ 75mA	60V @ 150mA
SPW-3160 *	230VCT @ 40mA	115V @ 80mA
SPW-3161	30VCT @ 300mA	15V @ 600mA

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

8/12/19 | -1 | Updated agency approvals; updated secondary output ratings | AG

DATE | ISS. | REVISION | BY

Designed by: RR 7/13/99
Drawn by: AG 8/12/19
Checked by: DB & TJK
Drawing rev.: SPW-3150-1

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