

Prem's **SPW-3050 Series** is a group of 2.5VA, 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-050 Series**
- Other primary and secondary voltages may be custom designed to your specifications

SPW-3050 Series (2.5VA) Data Sheet

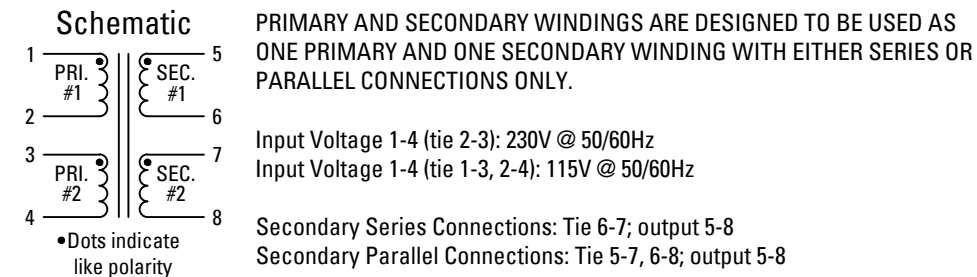
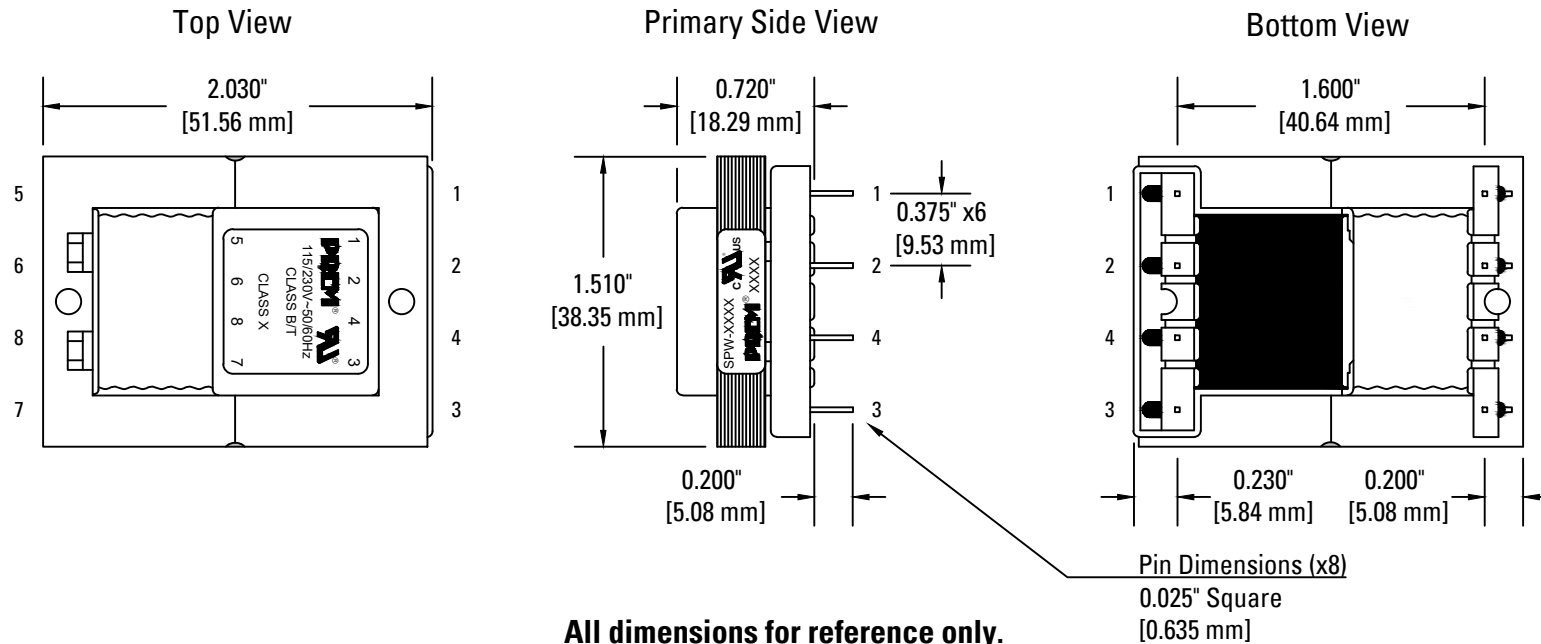
AGENCY CERTIFICATIONS:

UL 1446 (File E85315)

UL 1950 (File E125106)

UL 1585/5085-3 Class 2 & 3:
SPW-3050 to -3057, &
SPW-3061 (File E125107)

cUL: UL tested to CAN/CSA
C22.2 No. 950
(File E125106), &
C22.2 No. 66.1-06, 66.3-06
(Class 2): SPW-3050 to
-3053 (File E125107)



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

Fuse circuit location: Primary Fuse manufacturer: Littelfuse, Inc. (Des Plaines, IL)
Fuse P/N: 313.031 (230V Input) or 218.040 (115V Input)

PART NUMBER	RMS RATING WITH SECONDARIES IN:	
	SERIES	PARALLEL
SPW-3050	10VCT @ 250mA	5V @ 500mA
SPW-3051	12.6VCT @ 200mA	6.3V @ 400mA
SPW-3052	16VCT @ 150mA	8V @ 300mA
SPW-3053	20VCT @ 125mA	10V @ 250mA
SPW-3054	24VCT @ 100mA	12V @ 200mA
SPW-3055	34VCT @ 75mA	17V @ 150mA
SPW-3056	40VCT @ 60mA	20V @ 120mA
SPW-3057	56VCT @ 45mA	28V @ 90mA
SPW-3058 *	88VCT @ 28mA	44V @ 56mA
SPW-3059 *	120VCT @ 20mA	60V @ 40mA
SPW-3060 *	230VCT @ 10mA	115V @ 20mA
SPW-3061	30VCT @ 85mA	15V @ 170mA

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

7/12/19 | -5 | Updated agency approvals; updated fuse mfr. name | AG

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

DATE | ISS. | REVISION | BY

Designed by: RR 10/2/98
Drawn by: AG 7/11/19
Checked by: DB & TJK
Drawing rev.: SPW-3050-5

PREM
MAGNETICS, INC.

3521 N Chapel Hill Rd
Johnsburg, IL 60051
www.premmagnetics.com