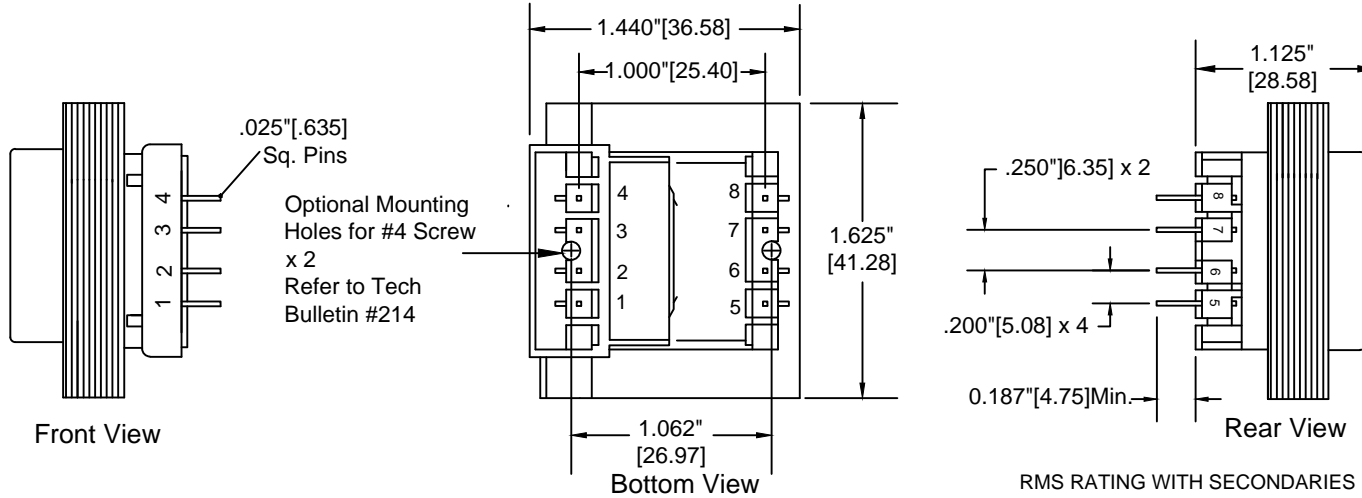


SPHV-277-1000 Series: 2.5 VA International Standard Profile PC Mount Power transformers with a single 277V primary and dual secondaries. Designed to be used in low power applications and provide the high isolation, creepage and clearance distances necessary to comply with international safety standards.

- Dielectric Strength - 4500Vrms Hipot primary - secondary
- Single Primary 277V, 50/60Hz
- Dual secondaries - Series or Parallel
- UL Recognized CLASS B (130°C) Insulation system, UL 1446 (File E85315)
- 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
- Shrouded primary, Three flange bobbin design, no electrostatic shield required
- Flammability - Bobbin and Shroud Material meets UL 94-VO
- Immersed in 100% solids epoxy resin to withstand most aqueous and solvent cleaning systems
- Other primary and secondary voltages may be custom designed to your specifications
- Anchor, insulating and crossover tapes. Two distinct, separate windings for each primary and secondary assure excellent HIPOT capability between these windings
- Same pin-out as Prem's SPW 1000 Series

All Dimensions are reference unless otherwise specified. []=mm



.025" [0.635]
Sq. Pins
Optional Mounting Holes for #4 Screw x 2 Refer to Tech Bulletin #214

SPHV-277-1000 Series

Notes

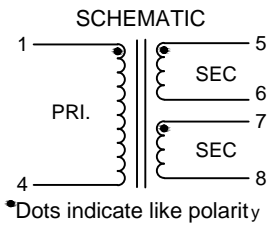
Designed to meet:
-UL 60950
-VDE 0805(EN 60950)

FUSING THE TRANSFORMER TO MEET SAFETY AGENCY REQUIREMENTS IS THE RESPONSIBILITY OF THE CUSTOMER.

-3	Chg.Elec. Text	3-6-15
-2	Chg. () to []=mm	12-4-14
-1	Add #4 screw to Mtg. hole & refer to Bull. 214	8-25-14

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

INPUT VOLTAGE 1 - 4, 277V, 50/60Hz
SECONDARY PARALLEL CONNECTIONS:
TIE 5-7, 6-8 ; OUTPUT 5-8
SECONDARY SERIES CONNECTIONS:
TIE 6-7; OUTPUT 5-8



RMS RATING WITH SECONDARIES CONNECTED IN:

Part Number	VA	Series	Parallel
SPHV-277-1000	2.5	10Vct @ 250mA	5V @ 500mA
SPHV-277-1001	2.5	12.6Vct @ 200mA	6.3V @ 400mA
SPHV-277-1002	2.5	16Vct @ 150mA	8V @ 300mA
SPHV-277-1003	2.5	20Vct @ 120mA	10V @ 240mA
SPHV-277-1004	2.5	24Vct @ 100mA	12V @ 200mA
SPHV-277-1005	2.5	28Vct @ 90mA	14V @ 180mA
SPHV-277-1006	2.5	36Vct @ 70mA	18V @ 140mA
SPHV-277-1007	2.5	48Vct @ 52mA	24V @ 104mA
SPHV-277-1008	2.5	56Vct @ 45mA	28V @ 90mA
SPHV-277-1009	2.5	120Vct @ 21mA	60V @ 42mA

THE DESIGN OF THIS PART IS INTENDED TO MEET THE LISTED SAFETY AGENCY REQUIREMENTS. PREM HAS NOT HAD THIS PART REVIEWED, APPROVED OR LISTED BY ANY SAFETY AGENCY.

- PRI TO SEC INSULATION: REINFORCED
- PRI TO SEC CREEPAGE: 6.4mm MIN.(MATERIAL GROUP IIIb)
- PRI TO SEC CLEARANCE: 6.4mm MIN.



PREM PART
SPHV-277-1000
INTERNATIONAL
SERIES

Approved: R Randow
Scale: None
Date: 04/12/2012