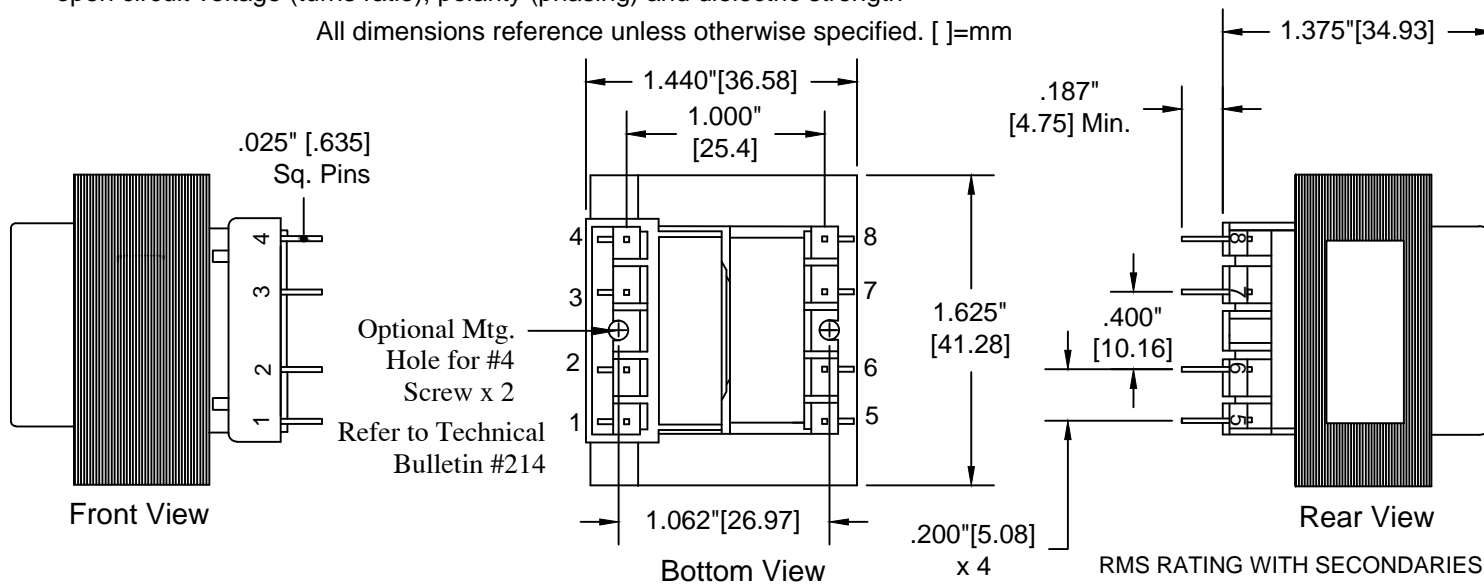


The SPHE-350 series is a High Efficiency - International Capable Standard PC Mount Power transformers. Rated 1.1 VA and 84% efficient it meets Energy Star < 0.3W specification for Low Input Power Consumption. With dual 115/230V primaries and dual secondaries these transformers provide the high isolation, creepage and clearance necessary to comply with international safety standards.

- Dielectric Strength - 4500Vrms Hipot primary - secondary
- Dual Primaries (must be used either Series or Parallel connected as one winding) 115/230V, 50/60Hz
- Dual secondaries - Series or Parallel
- 84% Efficiency
- Immersed in 100% solids epoxy resin to withstand most aqueous and solvent cleaning systems
- 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
- Low Input Power Consumption, meets Energy Star <0.3W specification
- Shrouded primaries, Three flange bobbin design, no electrostatic shield required
- Flammability - Bobbin and Shroud Material meets UL 94-VO
- Insulation system - Class B (130°C), UL 1446 (File E85315)

All dimensions reference unless otherwise specified. [ ]=mm

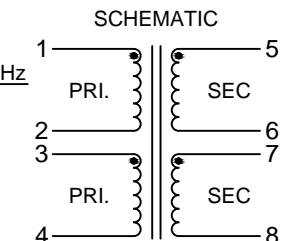


PRIMARY AND SECONDARY ARE DESIGNED TO BE USED AS ONE PRIMARY AND ONE SECONDARY WINDING WITH EITHER SERIES OR PARALLEL CONNECTION ONLY.

INPUT VOLTAGE 1 - 4 (TIE 2-3), 230V, 50/60Hz  
 INPUT VOLTAGE 1 - 4 (TIE 1-3, 2-4), 115V, 50/60Hz

SECONDARY PARALLEL CONNECTIONS:  
 TIE 5-7, 6-8; OUTPUT 5-8

SECONDARY SERIES CONNECTIONS:  
 TIE 6-7; OUTPUT 5-8



•Dots indicate like polarity

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.

Part Number	VA	RMS RATING WITH SECONDARIES CONNECTED IN:	
		Series	Parallel
SPHE-350	1.1	10Vct @ 110mA	5V @ 220mA
SPHE-351	1.1	12.6Vct @ 90mA	6.3V @ 180mA
SPHE-352	1.1	16Vct @ 70mA	8V @ 140mA
SPHE-353	1.1	20Vct @ 55mA	10V @ 110mA
SPHE-354	1.1	24Vct @ 45mA	12V @ 90mA
SPHE-355	1.1	28Vct @ 40mA	14V @ 80mA
SPHE-356	1.1	36Vct @ 30mA	18V @ 60mA
SPHE-357	1.1	48Vct @ 23mA	24V @ 46mA
SPHE-358	1.1	56Vct @ 20mA	28V @ 40mA
SPHE-359	1.1	120Vct @ 10mA	60V @ 20mA

- PRI TO SEC INSULATION: REINFORCED
- PRI TO SEC CREEPAGE: 8mm MIN. (POLLUTION DEGREE 2, MATERIAL GROUP IIIb)
- PRI TO SEC CLEARANCE: 8mm MIN.

## SPHE-350 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.

-4	Add electrical text	3-23-15
-3	Remove labels, epoxy, & correct electrical text	2-6-15
-2	Chg. ( ) to [ ]=mm	12-4-14
-1	Refer to Bull. 214 Optional Mtg	8-25-14

**PREM**  
 MAGNETICS INCORPORATED  
 3521 N. CHAPEL HILL RD.  
 JOHNSBURG, IL 60051

**PREM PART SPHE-350  
 INTERNATIONAL SERIES**

Approved: **TJ KLOTZ**

Scale: **None**

Date: **11/11/2009**