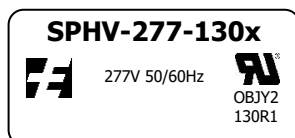
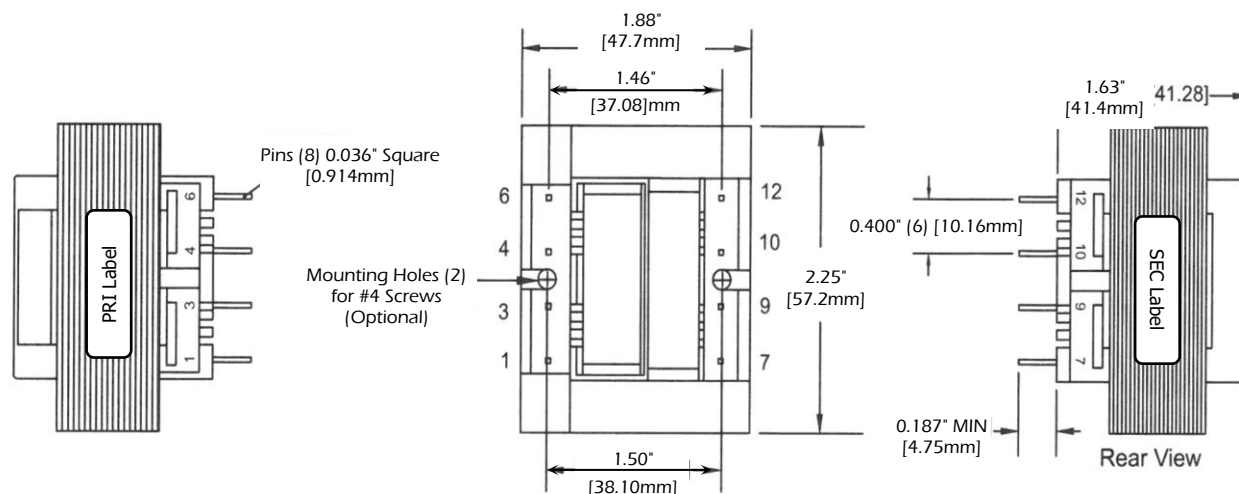


## SPHV-277-1300 Series Features:

- \* Rating: 20VA
- \* Single 277V input, dual (series/parallel) outputs, (see schematic notes below).
- \* US, Canada, and International-capable construction with shrouded PRI.
- \* Flame-retardant bobbin/shroud (UL 94 V0).
- \* 100% tested for PRI-SEC hi-pot at 4000VAC.
- \* Side-by-side inputs and outputs (no electrostatic shield required).
- \* Coated to resist dust and moisture.
- \* Same pin layout as SPW-1300 Series (115/230V inputs).



PRI Label

"x" is replaced by last digit of model number

PAR xxV 0.xxxA  
SER xxV 0.xxxA  
172-YYWW

SEC Label

("YYWW" replaced by current date code)

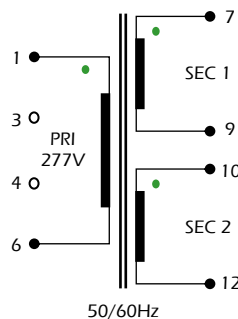
Dimensions are for reference only.

| MODEL         | Series Rating    | Parallel Rating |
|---------------|------------------|-----------------|
| SPHV-277-1300 | 10VCT @ 2.000A   | 5V @ 4.000A     |
| SPHV-277-1301 | 12.6VCT @ 1.600A | 6.3V @ 3.200A   |
| SPHV-277-1302 | 16VCT @ 1.250A   | 8V @ 2.500A     |
| SPHV-277-1303 | 20VCT @ 1.000A   | 10V @ 2.000A    |
| SPHV-277-1304 | 24VCT @ 0.830A   | 12V @ 1.660A    |
| SPHV-277-1305 | 28VCT @ 0.720A   | 14V @ 1.440A    |
| SPHV-277-1306 | 36VCT @ 0.560A   | 18V @ 1.120A    |
| SPHV-277-1307 | 48VCT @ 0.420A   | 24V @ 0.840A    |
| SPHV-277-1308 | 56VCT @ 0.355A   | 28V @ 0.710A    |
| SPHV-277-1309 | 120VAC @ 0.170A  | 60V @ 0.340A    |

SEC 1 and SEC 2 must ALWAYS be inter-connected, either in parallel or series.

**INPUT CONNECTIONS**  
(Apply input across 1-6)

Pins 3 & 4 are present, but not connected.



**OUTPUT CONNECTIONS**  
(Draw output across 7-12)

For parallel, tie 7 to 10, and tie 9 to 12.

For series, tie 9 to 10.

# SPHV-277-1300

## CERTIFICATIONS & DECLARATIONS

- \* **UL 1446** Class B (130°C) Insulation System, File E95662

*NOTE: Fusing these transformers to comply with safety agency requirements in the end product(s) is the responsibility of the customer.*

- \* **RoHS** and **REACH** Compliant

- \* California **Prop 65** warning:

*These products may contain chemicals known to the State of California to cause cancer, and birth defects or other reproductive harm.*

| REV | DATE        | DESCRIPTION   | BY  |
|-----|-------------|---|-----|
| 1   | 31-Mar-2025 | Corrected pin numbers.                                    | SDE |
| 0   | 31-May-2021 | Acquired from Prem Magnetics.<br>Released for Production. | SDE |

**277V 50/60Hz**  
**20VA**



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Bellevue, Iowa 52031 USA  
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