

VPT-Series

- II Power Range: 25VA to 2.5KVA
- II Primary: 115/230VAC, 50/60Hz
- II Secondary: Dual for parallel or series connection
- II Insulation Class: Class B, 130°C
- II Dielectric Isolation (Pri to Sec): 4KV for 60 secs.
- II High Efficiency and low stray fields

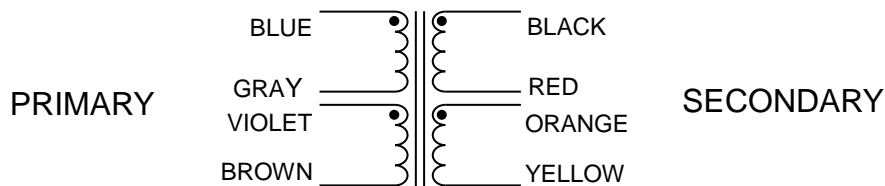


Electrical Specifications (@25C):

| Triad P/N | VA | Secondary | | Regulation | O.D. (mm) | Height (mm) | Weight (kg) | Temp rise deg (C) |
|--------------|-----|-----------------|---------------|------------|--------------|----------------|----------------|----------------------|
| | | Series | Parallel | | | | | |
| VPT12-2080 | 25 | 12V CT @ 2.08A | 6.0V @ 4.16A | 12.0% | 71 | 32 | 0.4 | 30 |
| VPT18-1390 | 25 | 18V CT @ 1.39A | 9.0V 2.78A | 12.0% | 71 | 32 | 0.4 | 30 |
| VPT24-1040 | 25 | 24V CT @ 1.04A | 12V @ 2.08A | 12.0% | 71 | 32 | 0.4 | 30 |
| VPT30-830 | 25 | 30V CT @ 0.83A | 15V @ 1.66A | 12.0% | 71 | 32 | 0.4 | 30 |
| VPT36-690 | 25 | 36V CT @ 0.69A | 18V @ 1.38A | 12.0% | 71 | 32 | 0.4 | 30 |
| VPT48-520 | 25 | 48V CT @ 0.52A | 24V @ 1.04A | 12.0% | 71 | 32 | 0.4 | 30 |
| VPT230-110 | 25 | 230V CT @ 0.11A | 115V @ .22A | 12.0% | 71 | 32 | 0.4 | 30 |
| VPT12-4170 | 50 | 12V CT @ 4.17A | 6.0V @ 8.34A | 12.0% | 80 | 33 | 0.6 | 40 |
| VPT18-2780 | 50 | 18V CT @ 2.78A | 9.0V 5.56A | 12.0% | 80 | 33 | 0.6 | 40 |
| VPT24-2080 | 50 | 24V CT @ 2.08A | 12V @ 4.16A | 12.0% | 80 | 33 | 0.6 | 40 |
| VPT30-1670 | 50 | 30V CT @ 1.67A | 15V @ 3.34A | 12.0% | 80 | 33 | 0.6 | 40 |
| VPT36-1390 | 50 | 36V CT @ 1.39A | 18V @ 2.78A | 12.0% | 80 | 33 | 0.6 | 40 |
| VPT48-1040 | 50 | 48V CT @ 1.04A | 24V @ 2.08A | 12.0% | 80 | 33 | 0.6 | 40 |
| VPT230-220 | 50 | 230V CT @ 0.22A | 115V @ .44A | 12.0% | 80 | 33 | 0.6 | 40 |
| VPT12-8330 | 100 | 12V CT @ 8.33A | 6.0V @ 16.66A | 9.0% | 87 | 47 | 1.0 | 45 |
| VPT18-5560 | 100 | 18V CT @ 5.56A | 9.0V @ 11.12A | 9.0% | 87 | 47 | 1.0 | 45 |
| VPT24-4170 | 100 | 24V CT @ 4.17A | 12V @ 8.34A | 9.0% | 87 | 47 | 1.0 | 45 |
| VPT30-3330 | 100 | 30V CT @ 3.33A | 15V @ 6.66A | 9.0% | 87 | 47 | 1.0 | 45 |
| VPT36-2780 | 100 | 36V CT @ 2.78A | 18V @ 5.56A | 9.0% | 87 | 47 | 1.0 | 45 |
| VPT48-2080 | 100 | 48V CT @ 2.08A | 24V @ 4.16A | 9.0% | 87 | 47 | 1.0 | 45 |
| VPT230-430 | 100 | 230V CT @ 0.43A | 115V @ .86A | 9.0% | 87 | 47 | 1.0 | 45 |
| VPT12-13300 | 160 | 12V CT @ 13.3A | 6.0V @ 26.6A | 8.0% | 103 | 48 | 1.6 | 50 |
| VPT18-8800 | 160 | 18V CT @ 8.8A | 9.0V @ 17.60A | 8.0% | 103 | 48 | 1.6 | 50 |

| Triad P/N | VA | Secondary | | Regulation | O.D. (mm) | Height (mm) | Weight (kg) | Temp rise deg (C) |
|--------------|------|------------------|---------------|------------|--------------|----------------|----------------|----------------------|
| | | Series | Parallel | | | | | |
| VPT24-6670 | 160 | 24V CT @ 6.67A | 12V @ 13.34A | 8.0% | 103 | 48 | 1.6 | 50 |
| VPT30-5330 | 160 | 30V CT @ 5.33A | 15V @ 10.66A | 8.0% | 103 | 48 | 1.6 | 50 |
| VPT36-4440 | 160 | 36V CT @ 4.44A | 18V @ 8.88A | 8.0% | 103 | 48 | 1.6 | 50 |
| VPT48-3300 | 160 | 48V CT @ 3.33A | 24V @ 6.66A | 8.0% | 103 | 48 | 1.6 | 50 |
| VPT230-700 | 160 | 230V CT @ 0.70A | 115V @ 1.40A | 8.0% | 103 | 48 | 1.6 | 50 |
| VPT12-20800 | 250 | 12V CT @ 20.8A | 6.0V @ 41.60A | 7.0% | 112 | 54 | 2.2 | 50 |
| VPT18-13800 | 250 | 18V CT @ 13.8A | 9.0V @ 27.60A | 7.0% | 112 | 54 | 2.2 | 50 |
| VPT24-10420 | 250 | 24V CT @ 10.42A | 12V @ 20.84A | 7.0% | 112 | 54 | 2.2 | 50 |
| VPT36-6940 | 250 | 36V CT @ 6.94A | 18V @ 13.88A | 7.0% | 112 | 54 | 2.2 | 50 |
| VPT48-5200 | 250 | 48V CT @ 5.20A | 24V @ 10.4A | 7.0% | 112 | 54 | 2.2 | 50 |
| VPT230-1090 | 250 | 230V CT @ 1.09A | 115V @ 2.18A | 7.0% | 112 | 54 | 2.2 | 50 |
| VPT48-10400 | 500 | 48V CT @ 10.4A | 24V @ 20.8A | 5.0% | 140 | 60 | 4.2 | 50 |
| VPT100-5000 | 500 | 100V CT @ 5.0A | 50V @ 10.0A | 5.0% | 140 | 60 | 4.2 | 50 |
| VPT230-2170 | 500 | 230V CT @ 2.17A | 115V @ 4.34A | 5.0% | 140 | 60 | 4.2 | 50 |
| VPT48-20830 | 1000 | 48V CT @ 20.83A | 24V @ 41.66A | 4.0% | 175 | 68 | 8.2 | 50 |
| VPT100-10000 | 1000 | 100V CT @ 10.0A | 50V @ 20.0A | 4.0% | 175 | 68 | 8.2 | 50 |
| VPT230-4350 | 1000 | 230V CT @ 4.35A | 115V @ 8.70A | 4.0% | 175 | 68 | 8.2 | 50 |
| VPT100-25000 | 2500 | 100V CT @ 25.0A | 50V @ 50.0A | 2.5% | 208 | 112 | 19.4 | 50 |
| VPT230-10870 | 2500 | 230V CT @ 10.87A | 115V @ 21.74A | 2.5% | 208 | 112 | 19.4 | 50 |

Schematic:



Mounting:

Transformers are provided with one metal plate, two rubber pads, screw, nut and washer through 1KVA. Epoxied center and drilled hole for VA's larger than 1kVA. Epoxied center and drilled hole also available for VA's smaller than 1kVA; minimums may apply.

Connections: Stranded UL 1015 leads, stripped and tinned 0.25" (6mm). Standard lead length is 8" (200mm) for VA's up to and including 250VA; 12.0" (305mm) for 500VA and higher (these are stripped and tinned 0.5" (12.7mm)). Custom lead lengths and other UL types lead wire available; minimums may apply.

Custom designs available.

RoHS Compliance: As of manufacturing date February 2016, all standard products meet the requirements of 2015/863/EU, known as the RoHS 3 initiative.

* Upon printing, this document is considered "uncontrolled". Please contact Triad Magnetics' website for the most current version.