



## Features:

- 2W Low Profile <15.5mm Height
- MTBF: 1,000,000 Hours
- Wide Input Range: 90 - 305VAC
- Low Standby Power <0.15W
- High Temperature 85°C Full Load
- EMC Compliant - No External Components
- TUV, EN62368-1, EN61558-2-16
- UL File No. E472059

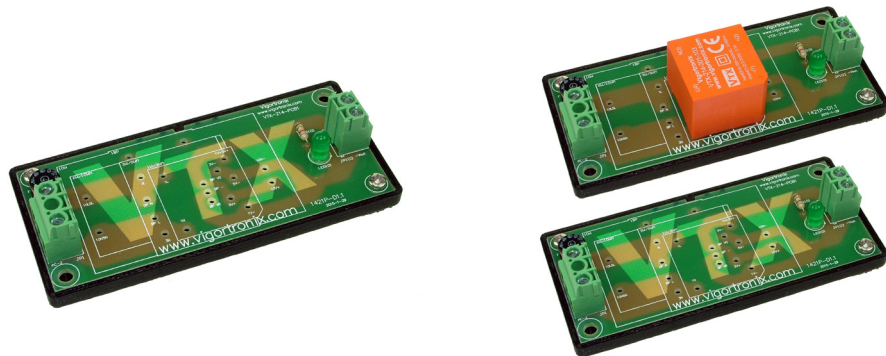
| Part Number     | Power Rating<br>Watts | Output<br>Voltage<br>(VDC) | Output Current<br>(mA) | Ambient<br>Temp. (°C) | Efficiency<br>Typical | Voltage Range |
|-----------------|-----------------------|----------------------------|------------------------|-----------------------|-----------------------|---------------|
| VTX-214-002-303 | 2                     | 3.3                        | 600                    | 85                    | >72%                  | 90 - 305VAC   |
| VTX-214-002-305 | 2                     | 5                          | 400                    |                       |                       |               |
| VTX-214-002-306 | 2                     | 6                          | 333                    |                       |                       |               |
| VTX-214-002-307 | 2                     | 7.5                        | 266                    |                       |                       |               |
| VTX-214-002-308 | 2                     | 8                          | 250                    |                       |                       |               |
| VTX-214-002-309 | 2                     | 9                          | 222                    |                       |                       |               |
| VTX-214-002-310 | 2                     | 10                         | 200                    |                       |                       |               |
| VTX-214-002-312 | 2                     | 12                         | 166                    |                       |                       |               |
| VTX-214-002-315 | 2                     | 15                         | 133                    |                       |                       |               |
| VTX-214-002-318 | 2                     | 18                         | 111                    |                       |                       |               |
| VTX-214-002-324 | 2                     | 24                         | 83                     |                       |                       |               |
| VTX-214-002-348 | 2                     | 48                         | 42                     |                       |                       |               |

**Note: Other output voltages are available upon request.**

Optional Universal PCB mounting kit.

Part Number:

VTX-214-PCB1



Please contact Vigortronix for any enquiries. Products can be altered to suit custom requirements.  
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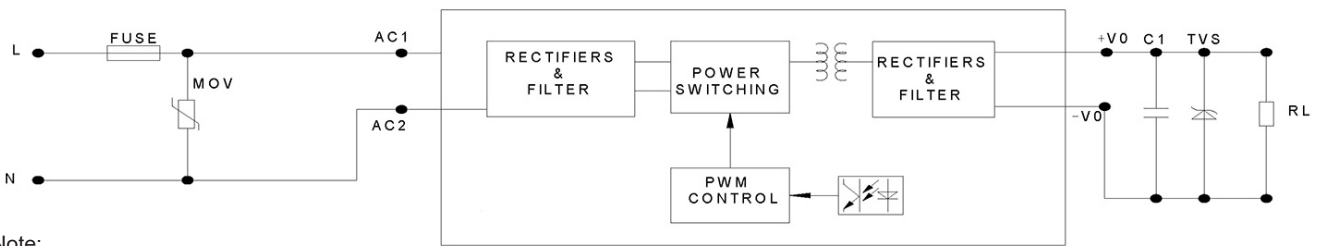
**Vigortronix**, 16 De Havilland Way, Witney, Oxfordshire, OX29 0YG, UK  
Tel. +44 (0)1993 777570 Web. [www.vigortronix.com](http://www.vigortronix.com), E-mail: [sales@vigortronix.com](mailto:sales@vigortronix.com)  
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| Model: 2 Watt                                              |                          | Specification                                            |
|------------------------------------------------------------|--------------------------|----------------------------------------------------------|
| <b>INPUT</b><br><br><b>Pin 1: L</b><br><b>Pin 2: N</b>     | Voltage Input Range      | 85 ~ 305VAC<br>(100 ~ 430VDC)                            |
|                                                            | Voltage Rating           | 100 ~ 277VAC                                             |
|                                                            | Frequency (Hz)           | 47 ~ 63                                                  |
|                                                            | Current                  | 3.5W Max (100VAC/240VAC)                                 |
|                                                            | Inrush Current           | 5A Max (100VAC) / 10A Max (240VAC)                       |
|                                                            | No Load power            | 0.15W Max                                                |
|                                                            | Leakage Current          | 0.2 mA Max                                               |
| <b>OUTPUT</b><br><br><b>Pin 4: DC+</b><br><b>Pin 3: 0V</b> | Voltage Accuracy         | ±3% (3.3VDC 5%)                                          |
|                                                            | Ripple                   | 3% Vout (Vp~p) (3.3VDC 5%)                               |
|                                                            | Noise                    | 3% Vout (Vp~p) (3.3VDC 5%)                               |
|                                                            | Efficiency @ 230VAC      | >72%                                                     |
|                                                            | Minimum Load             | 0                                                        |
| <b>Protection</b>                                          | Over Power               | Hiccup mode                                              |
|                                                            | Over Voltage             | Hiccup mode                                              |
|                                                            | Short Circuit Protection | Hiccup mode                                              |
| <b>Dielectric Isolation</b>                                | Input to Output          | 3600Vrms                                                 |
| <b>Enviroment</b>                                          | Operating Temperature    | -25°C ~ +85°C (See Derating Curve)                       |
|                                                            | Storage Temperature      | -40°C ~ +105°C                                           |
|                                                            | MTBF                     | >1,000,000Hrs @ 25°C (MIL-HDBK-217F)                     |
|                                                            | Weight                   | 29g                                                      |
| <b>Safety</b>                                              | Agency Standards         | Compliance with EN61558-1, EN61558-2-16,<br>UL/EN62368-1 |
| <b>EMC</b>                                                 | EMI                      | Compliance with EN55032 Class B, EN61000-3-2, 3          |
|                                                            | EMS                      | Compliance with EN55035                                  |

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## Converter Schematic



Note:

A fuse is recommended on the input

Type: 1A/310V Slow Blow

MOV: 14D561K

Note: C1 and TVS are optional

## Dimensions:

