



Features:

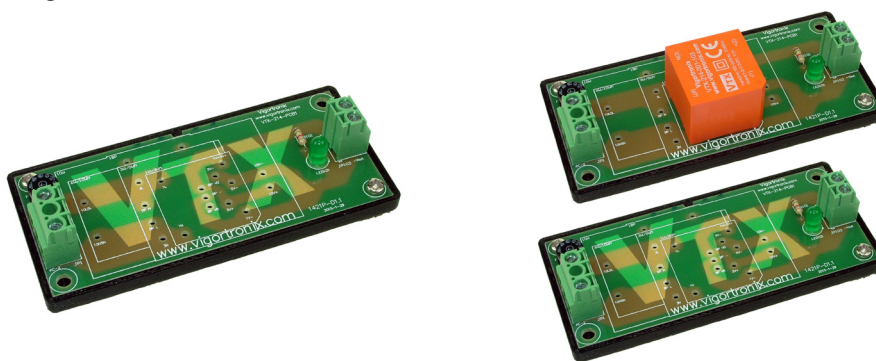
- 1W Low Profile <15.5mm Height
- MTBF: 1,000,000 Hours
- Wide Input Range: 85 - 305VAC, (100-430VDC)
- Low Standby Power <0.15W
- High Temperature 85°C Full Load
- EMC Compliant - No External Components
- TUV, EN62368-1, EN61558-2-16
- UL File No. E472059

Part Number	Power Rating Watts	Output Voltage (VDC)	Output Current (mA)	Ambient Temp. (°C)	Efficiency Typical	Voltage Range
VTX-214-001-303	1	3.3	300	85	>72%	85 - 305VAC (100-430VDC)
VTX-214-001-305	1	5	200			
VTX-214-001-306	1	6	166			
VTX-214-001-307	1	7.5	133			
VTX-214-001-308	1	8	125			
VTX-214-001-309	1	9	111			
VTX-214-001-310	1	10	100			
VTX-214-001-312	1	12	83			
VTX-214-001-315	1	15	66			
VTX-214-001-318	1	18	55			
VTX-214-001-324	1	24	42			
VTX-214-001-348	1	48	21			
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.
The information contained in this document is subject to change without notice.

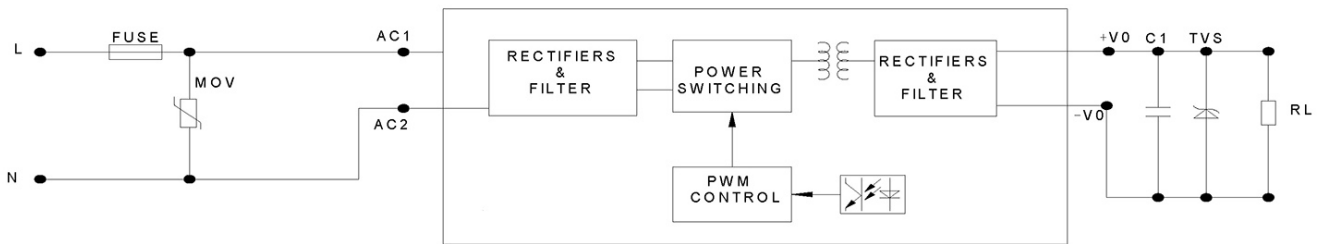
Vigortronix, 16 De Havilland Way, Witney, Oxfordshire, OX29 0YG, UK
Tel. +44 (0)1993 777570 Web. www.vigortronix.com, E-mail: sales@vigortronix.com
Vigortronix is a trading name of Vigortronix Limited

Vigortronix.com

Model: 1 Watt		Specification
INPUT Pin 1: L Pin 2: N	Voltage Input Range	85 ~ 305VAC (100 ~ 430vdc)
	Voltage Rating	100 ~ 277VAC
	Frequency (Hz)	47 ~ 63Hz
	Current	200mA Max (100VAC) / 100mA Max (240VAC)
	Inrush Current	6A Max (100VAC) / 10A Max (240VAC)
	No Load power	0.15W Max
	Leakage Current	0.2 mA Max
OUTPUT Pin 4: DC+ Pin 3: 0V	Voltage Accuracy	±3% (3.3VDC 5%)
	Line Regulation	±0.5%
	Load Regulation	±0.5%
	Ripple	200mV (Vp~p)
	Noise	200mV (Vp~p)
	Efficiency @ 230VAC	>72%
	Minimum Load	0
Protection	Over Power	Hiccup mode
	Over Voltage	Hiccup mode
	Short Circuit Protection	Hiccup mode
Dielectric Isolation	Input to Output	3600Vrms
Enviroment	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	20g
Safety	Agency Standards	Compliance with IEC60950-1, EN60950-1, IEC61558-1 EN61558-1, EN61558-2-6, EN61558-2-17, EN62368-1
EMC	EMI	Compliance with EN55032 Class B,
	EMS	Compliance with EN61000-3-2, Class A, (Surge L-N: 1KV),

Please contact Vigortronix for any enquiries. Products can be altered to suit custom requirements.
The information contained in this document is subject to change without notice.

Converter Schematic



Note:

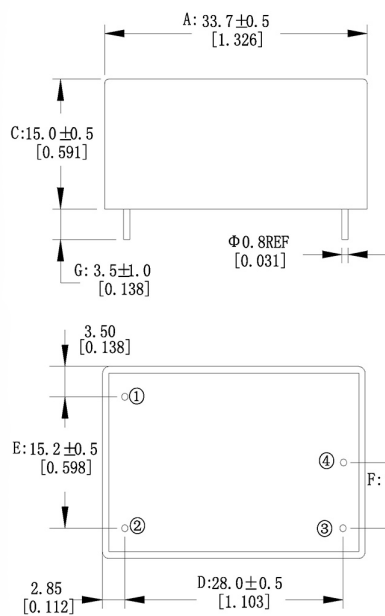
A fuse is recommended on the input

Type: 1A/310V Slow Blow

MOV: 14D561K

Note: C1 and TVS are optional

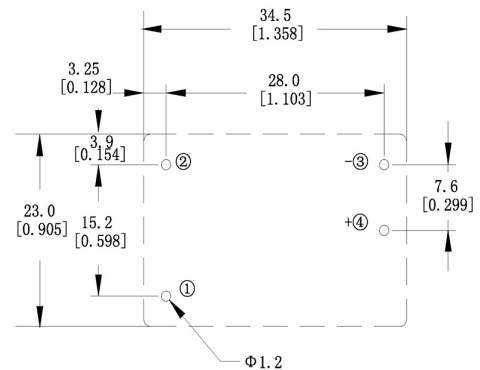
Dimensions:



Tolerance: ±0.5mm

PIN VIEW (Bottom)

NO.	Pin connect	Function
1	AC1	AC Input line
2	AC2	AC Input Neutral
3	DC-	Output Negative
4	DC+	Output Positive

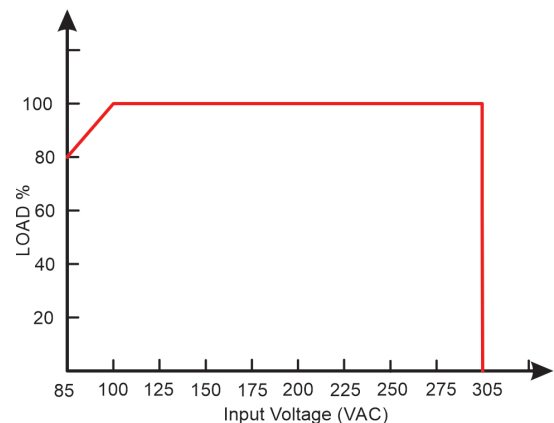
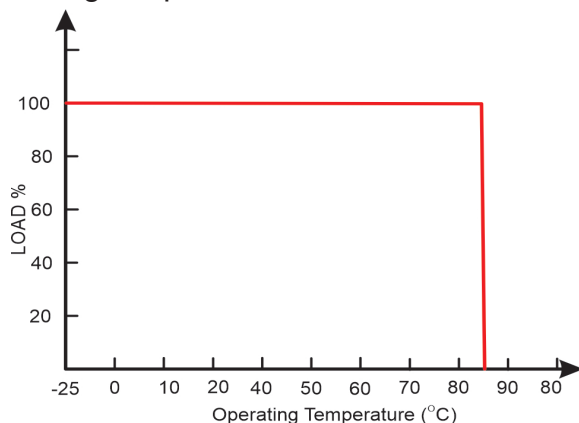


Typical Label layout



Derating Graph:

Unit weight: 20g



Please contact Vigortronix for any enquiries. Products can be altered to suit custom requirements.
The information contained in this document is subject to change without notice.