



### Features:

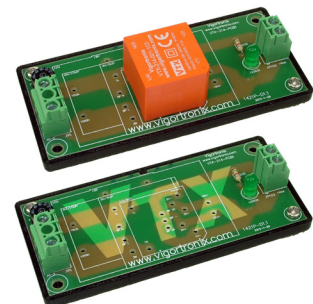
- 2W Low Profile 14.0mm Height
- Compact Size - PCB Mount
- Single Output - Regulated
- Wide Input Range: 90 - 277VAC , 47 - 63Hz
- Output Range: 3.3V - 48VDC
- Low Standby Power <0.15W
- Low Ripple & Noise
- Fully Isolated Pri - Sec >4200Vrms
- Insulation: Class II
- Safety: EN61558, EN60950, CE

Part Number	Power Rating Watts	Output Voltage (VDC)	Output Current (mA)	Ambient Temp. (°C)	Efficiency Typical	Voltage Range
VTX-214-002-103	2	3.3	600	85	>60%	90 - 277VAC
VTX-214-002-105	2	5	400			
VTX-214-002-106	2	6	333			
VTX-214-002-107	2	7.5	266			
VTX-214-002-108	2	8	250			
VTX-214-002-109	2	9	222			
VTX-214-002-110	2	10	200			
VTX-214-002-112	2	12	166			
VTX-214-002-115	2	15	133			
VTX-214-002-118	2	18	111			
VTX-214-002-124	2	24	83			
VTX-214-002-148	2	48	42			

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

Optional Universal PCB mounting kit.  
Part Number:  
VTX-214-PCB1

Farnell Part:  
246 4718  
Rapid Electronics Part:  
84-2157  
Maplin Part:  
N59EC

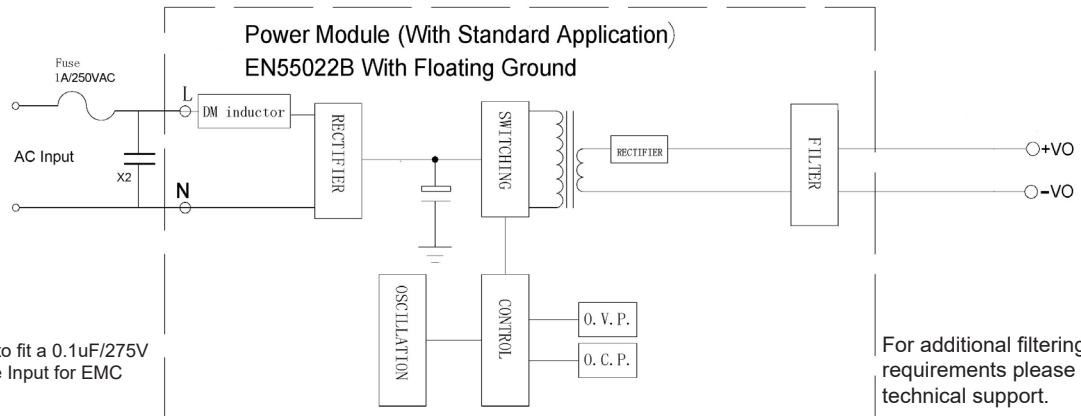


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The information contained in this document is subject to change without notice.

Model: 1 - 2 Watt		Specification
<b>INPUT</b>  <b>Pin 4: L</b> <b>Pin 3: N</b>	Voltage Range	90 ~ 277VAC / 47 ~ 63Hz
	Current	100mA Max (100VAC) / 70mA Max (240VAC)
	Inrush Current	15A Max (100VAC) / 25A Max (240VAC)
	No Load power	0.15W Max
	Leakage Current	0.3 mA Max
<b>OUTPUT</b>  <b>Pin 2: DC+</b> <b>Pin 1: GND</b>	Voltage Accuracy	<5% (3.3VDC 7%)
	Ripple	<5% Vout (Vp~p)
	Noise	<5% Vout Max (Vp~p)
	Efficiency @ 230VAC	>65%
	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, 5mA 1 Min (4200VAC 2sec)
<b>Environment</b>	Operating Temperature	-25°C ~ +85°C (See Derating Curve)
	Storage Temperature	-40°C ~ +105°C
	<b>MTBF</b>	>300,000Hrs @ 25°C (MIL-HDBK-217F)
	Weight	18g
<b>Safety</b>	Agency Approval	Compliance with IEC60950-1, EN60950-1, EN61558-1, EN61558-2-6, EN61558-2-17
<b>EMC</b>	EMI	Compliance with EN55022 Class B (External component required for EMC)
	EMS	Compliance with EN55024, EN55014-1, EN55014-2, EN61000-3-2 Class A, EN61000-3-3 (External component required for EMC)

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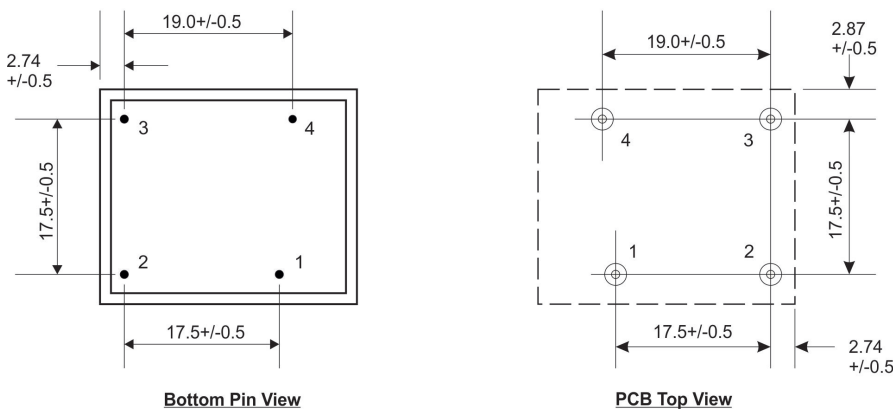
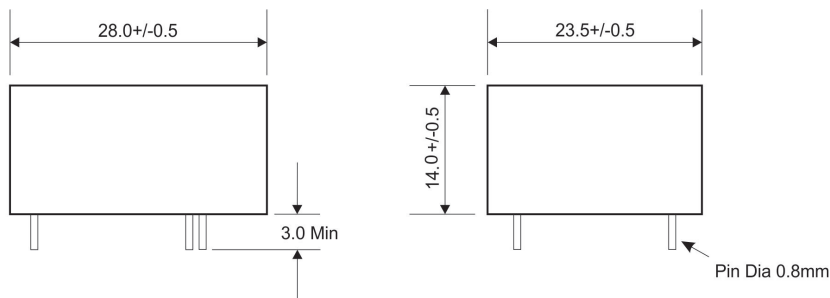
## Recommended Application Schematic for EMC



Notes:  
It is recommended to fit a 0.1uF/275V X2 Capacitor on the Input for EMC

For additional filtering requirements please contact technical support.

### Dimensions:



### Pin Designation.

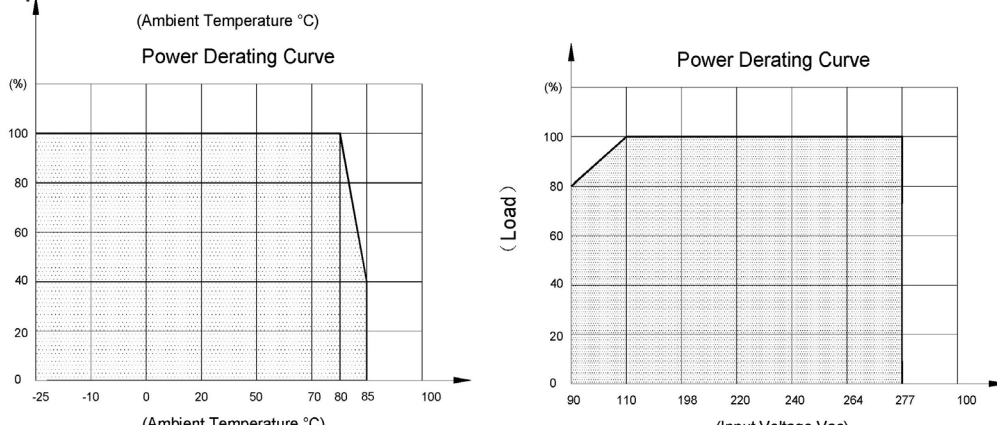
- Pin 1: GND, Output Voltage Common
- Pin 2: +V, Output Voltage Positive
- Pin 3: N, AC Input Neutral
- Pin 4: L, AC Input Line

Notes:  
Recommended PCB  
Hole size: 1.5mm Dia.

Case Outline Maximum Size 29.0 x 24.2mm

Unit weight: 18g

### Derating Graph:



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