

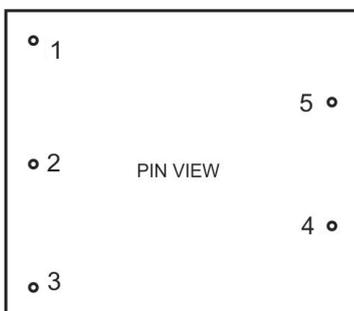


Features:

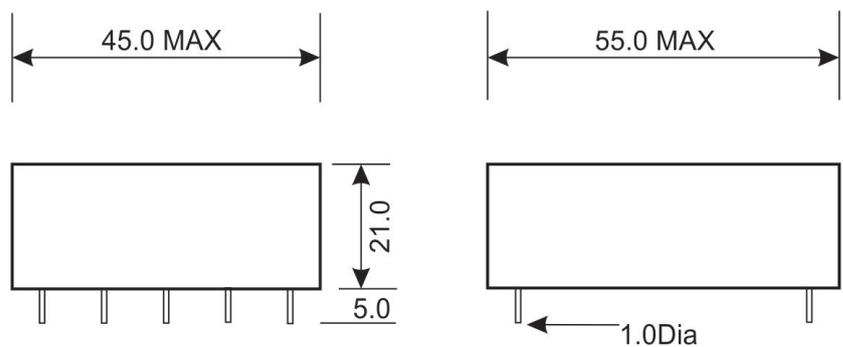
- 15W Small Compact Size - PCB Mount
- Single Output - Regulated
- Output Range: 3.3V - 48VDC
- Input: 90 - 265VAC , 47 - 63Hz
- Low Standby Power <0.3W
- Low Ripple & Noise
- Encapsulated Design
- Fully Isolated Pri - Sec >4200Vrms
- Materials: UL94-V0
- Safety: EN61558, EN62368-1, EN60335-1, CE

Part Number	Power Rating Watts	Output Voltage (Vdc)	Output Current (mA)	Ambient Temp. (°C)	Efficiency Typical	Input Range
VTX-214-015-103	15	3.3	4500	55 (85@25% Load)	86%	90 - 265VAC
VTX-214-015-105	15	5	3000			
VTX-214-015-106	15	6	2500			
VTX-214-015-107	15	7.5	2000			
VTX-214-015-109	15	9	1666			
VTX-214-015-112	15	12	1250			
VTX-214-015-115	15	15	1000			
VTX-214-015-118	15	18	833			
VTX-214-015-124	15	24	625			
VTX-214-015-148	15	48	315			

Note: Other output voltages are available upon request.



Pin 3: N/A
 Pin 2: Input AC N
 Pin 1: Input AC L
 Pin 4: Output DC -V
 Pin 5: Output DC +V



Unit weight: 84g

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.

Model: 15 Watt		Specification
INPUT Pin 1: L Pin 2: N Pin 3: FG	Voltage Range	90 - 265VAC / 47 - 63Hz
	Current	100mA Max (100VAC) / 70mA Max (240VAC)
	Inrush Current	20A Max (100VAC) / 40A Max (240VAC)
	No Load power	0.3W Max
	Leakage Current	0.3mA Max
OUTPUT Pin 5: DC+ Pin 4: DC-	Voltage Accuracy	3%
	Load Regulation Vout-load	0.5%
	Ripple	<250mV (mVp-p)
	Efficiency	>86%
	Minimum Load	0
Protection	Over Power	Hiccup mode
	Over Voltage	Hiccup mode
	Short Circuit Protection	Hiccup mode
Dielectric Isolation	Input to Output	3600Vrms, 5mA 1 Min (4200VAC 2sec)
Environment	Operating Temperature	-25°C - +55°C (+85°C@25%)
	Storage Temperature	-40°C - +105°C
	Humidity	10 - 95% RH
	MTBF	>300,000Hrs @ 25°C (MIL-HDBK-217F)
	Weight	84g
Safety	Agency Approval	IEC/EN62368-1, EN61558-1, EN61558-2-6, EN61558-2-17, EN60335-1
EMC	EMI	CISPR22, EN55032 Class B
	EMS	Compliance with EN55024, EN55014-1, EN55014-2, EN61000-3-2 Class A, EN61000-3-3

Note: Unless otherwise specified, all the above parameters are measured at ambient temperature of 25°C and Vin=220Vac.

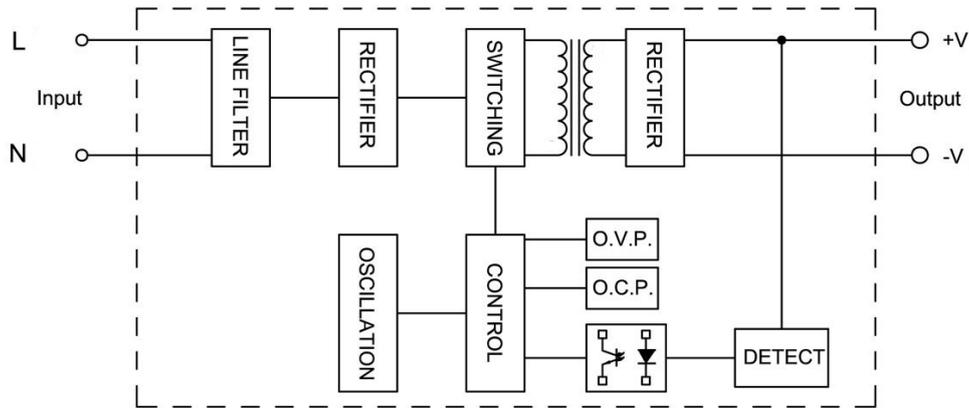
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Recommended Application and Test Schematic



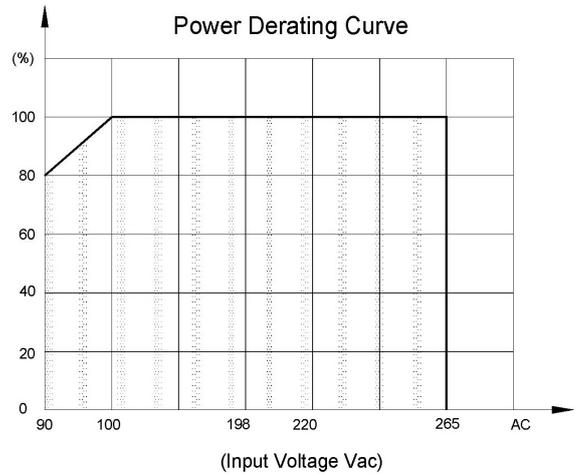
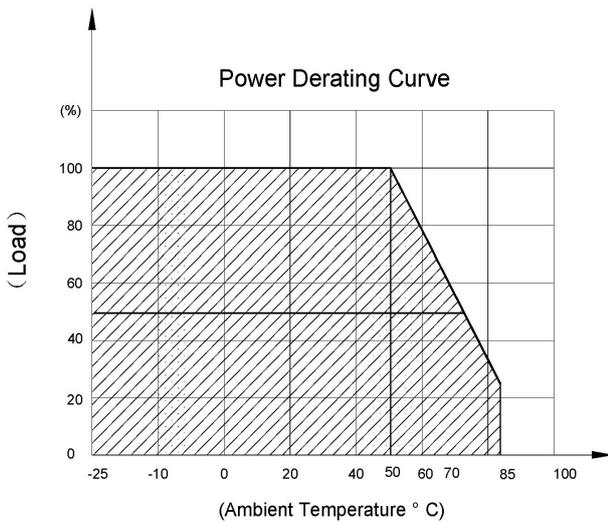
Notes:

Recommended Fuse for input 1A/250V Slow- Blow

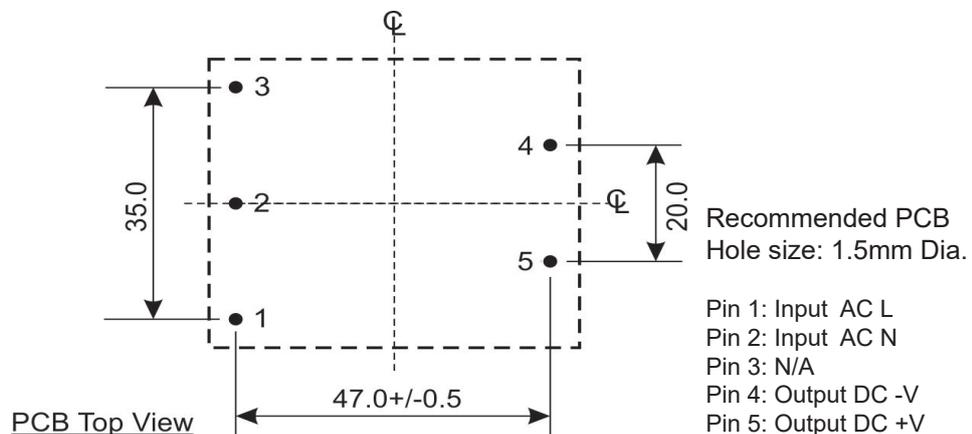
It is recommended for Surge protection to fit a Varistor, similar to 14D431K

On the output if required fit a Electrolytic and ceramic capacitor, to remove any high frequency noise.

Derating Graph



PCB Layout



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