



Features:



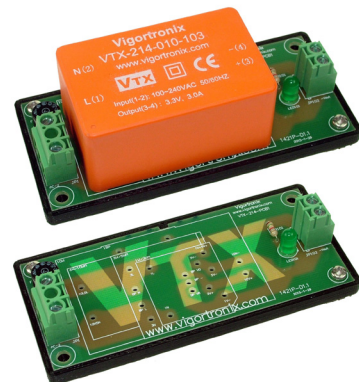
- 10W Single Output - Regulated
- Output Range: 3.3V - 48VDC
- Input: 90 - 265VAC , 47 - 63Hz (100 - 370VDC)
- Low Standby Power <0.3W
- Low Ripple & Noise
- Encapsulated Design
- Fully Isolated Pri - Sec >4200Vrms
- Insulation: Class II
- Materials: UL94-V0
- Safety: EN61558, EN60950, UL62369, CE,

Part Number	Power Rating Watts	Output Voltage (Vdc)	Output Current (mA)	Ambient Temp. (°C)	Efficiency Typical	Input Range
VTX-214-010-103	10	3.3	3000	70	>75%	90 - 265VAC (100 - 370VDC)
VTX-214-010-105	10	5	2000			
VTX-214-010-106	10	6	1670			
VTX-214-010-107	10	7.5	1330			
VTX-214-010-108	10	8	1250			
VTX-214-010-109	10	9	1110			
VTX-214-010-110	10	10	1000			
VTX-214-010-112	10	12	830			
VTX-214-010-115	10	15	660			
VTX-214-010-118	10	18	550			
VTX-214-010-124	10	24	420			
VTX-214-010-148	10	48	210			
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.

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Model: 10Watt		Specification
INPUT Pin 1: L Pin 2: N	Voltage Range	90 - 264VAC / 47 - 63Hz (120VDC - 370VDC)
	Current	250mA Max (100VAC) / 150mA Max (240VAC)
	Inrush Current	25A Max (100VAC) / 35A Max (240VAC)
	No Load power	0.3W Max
	Leakage Current	0.3 mA Max
OUTPUT Pin 3: DC+ Pin 4: DC-	Voltage Accuracy	+/- 3% (3.3V +/-5%)
	Ripple	<50mV Max (Vp-p)
	Noise	<1% Vout Max (Vp-p)
	Efficiency	>75%
	Minimum Load	0
	Hold-Up Time	15mS Min.
	Switching Frequency	100KHz
Protection	Over Power	Hiccup mode
	Over Voltage	Hiccup mode
	Short Circuit Protection	Hiccup mode
Dielectric Isolation	Input to Output	4000Vrms, 5mA 1 Min
Enviroment	Operating Temperature	-25°C - +70°C (Full Load)
	Storage Temperature	-40°C - +105°C
	MTBF	>300,000Hrs @ 25°C (MIL-HDBK-217F)
	Weight	85g
Safety	Agency Approval	EN60950-1, EN61558-1, EN61558-2-6, EN61558-2-16:2013, TUV, UL62368
EMC	EMI	Compliance with EN55022 Class B
	EMS	Compliance with EN55024, EN55014-1, EN55014-2, EN61000-3-2 Class A, EN61000-3-3

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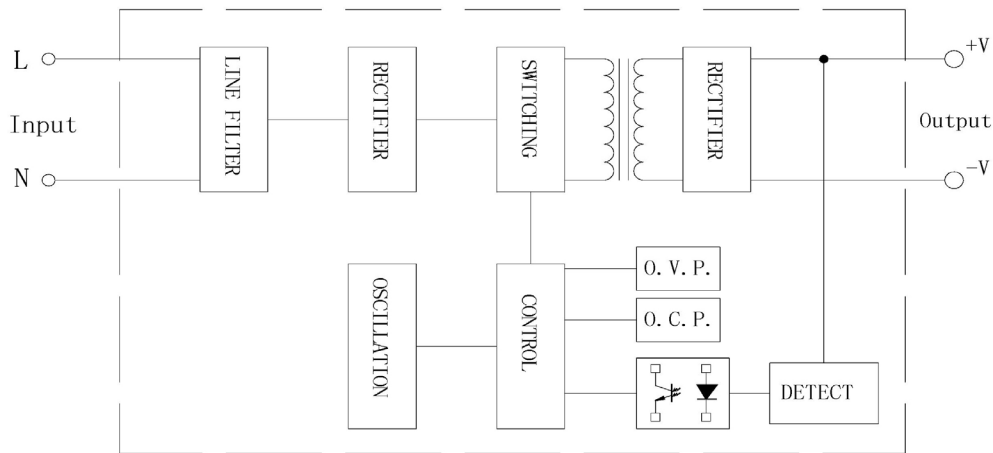
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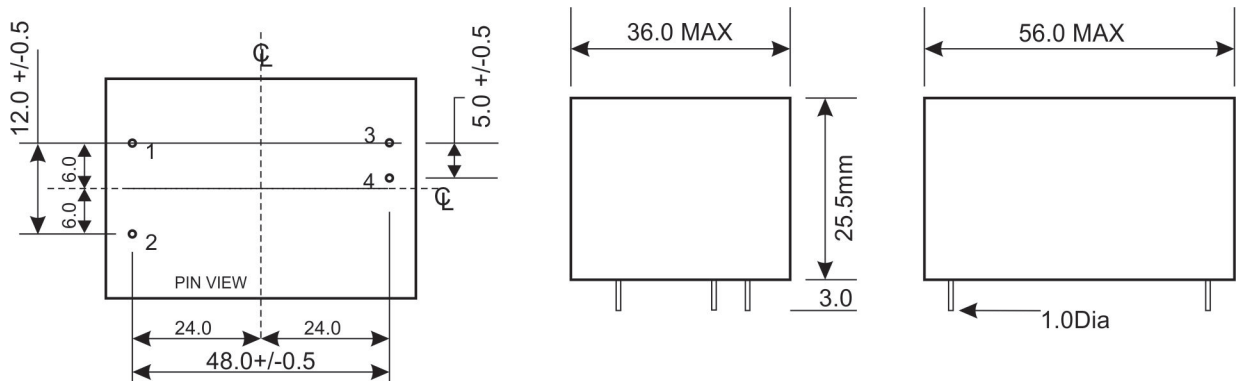
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Internal Schematic:



Dimensions:

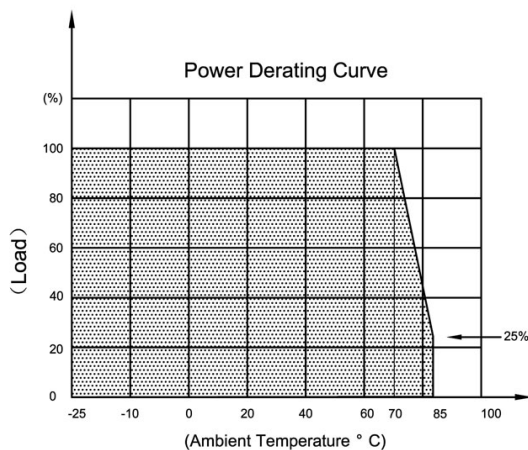


Pins 1&2: AC/DC Input
Pin 3: Output DC +V
Pin 4: Output DC 0V

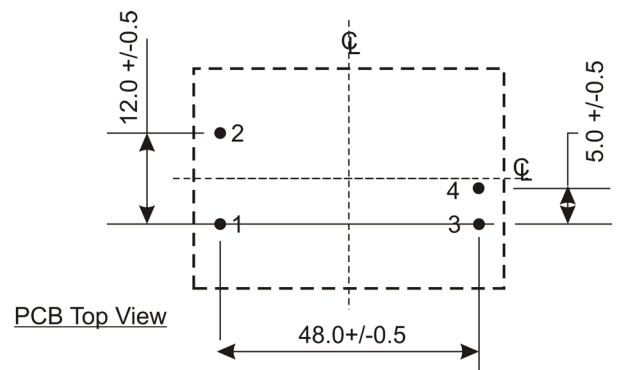
Recommended PCB Hole size: 1.5mm Dia.

Unit weight: 85g

Derating Graph



PCB Layout



Recommended PCB
Hole size: 1.5mm Dia.

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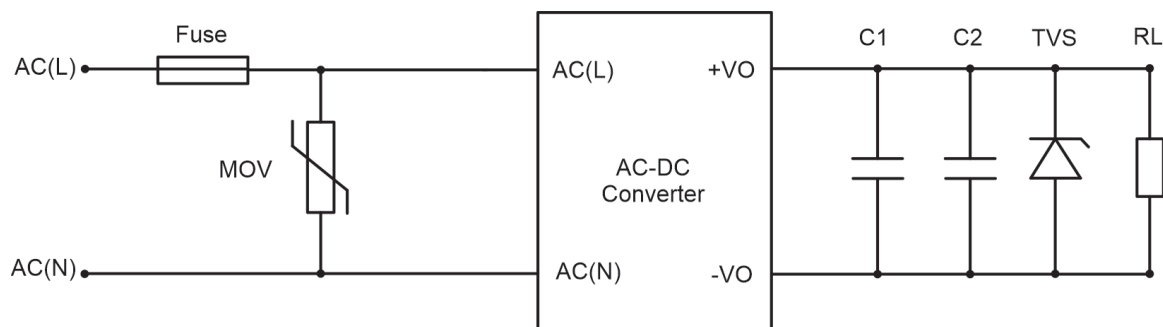
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Application Schematic for EMC:



Notes:

If Surge protection is required it is recommended to fit a Varistor, similar to 14D561K
Recommend Fuse on the input 2A/250Vac

Part Number	C1	C2	TVS	MOV
VTX-214-010-103	1uF	10uF	SMBJ7.0A	14D561K
VTX-214-010-105				
VTX-214-010-106				
VTX-214-010-107				
VTX-214-010-108				
VTX-214-010-109			SMBJ12A	
VTX-214-010-110			SMBJ20A	
VTX-214-010-112			SMBJ20A	
VTX-214-010-115			SMBJ20A	
VTX-214-010-118			SMBJ30A	
VTX-214-010-124			SMBJ60A	
VTX-214-010-148				
Note: Other output voltages are available upon request.				

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