



Features:

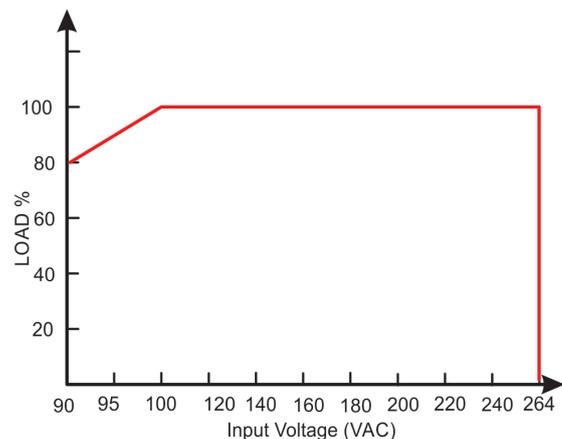
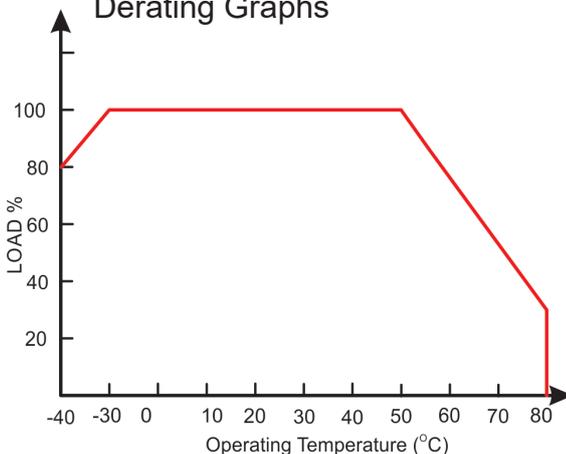
- 15W Single Output - Regulated
- Output Range: 5.0V - 24VDC
- Wide Input: 90 - 264VAC , 47 - 440Hz
- Low Standby Power <0.1W
- Height 23.5mm
- Fully Isolated Pri - Sec 4000Vrms
- EMC Compliant, No external components needed
- Materials: UL94-V0
- Safety: UL/IEC/EN62368-1, EN60335-1, CE,

Part Number	Power Rating Watts	Output Voltage (Vdc)	Output Current (mA)	Ambient Temp. (°C)	Efficiency Typical	Input Range
VTX-214-015-205M	15	5.0	3000	70	>84%	90 - 264VAC (120-370VDC)
VTX-214-015-209M	15	9	1660			
VTX-214-015-212M	15	12	1250			
VTX-214-015-215M	15	15	1000			
VTX-214-015-224M	15	24	625			
Note: Other output voltages are available upon request.						

Maximum Capacitive Load:

- 5V: 7000uF
- 9V: 5000uF
- 12V: 1500uF
- 15V: 1000uF
- 24V: 470uF

Derating Graphs



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: 15Watt		Specification
INPUT Pin 1: L Pin 2: N	Voltage Range	90 - 264VAC / 47 - 440Hz (120 ~ 370VDC)
	Current	385mA Max (115VAC) / 250mA Max (230VAC)
	Inrush Current	20A Max (115VAC) / 40A Max (230VAC)
	No Load power	0.1W
	Leakage Current	<0.1 mA / 264VAC (Touch current)
OUTPUT Pin 3: VDC+ Pin 4: VDC-	Voltage Accuracy	+/- 2%
	Ripple	<75mV Max (Vp-p)
	Noise	<1% Vout Max (Vp-p)
	Efficiency	>79%
	Load Regulation	+/-1%
	Hold Up Time	15mSec (115VAC) / 56mSec (230VAC)
	Minimum Load	0
Protection	Over Power	Hiccup mode
	Over Voltage	Zener Diode clamp
	Short Circuit Protection	Hiccup mode
Dielectric Isolation	Input to Output	4000Vrms, 2Sec Min.
Environment	Operating Temperature	-40°C - +80°C (With Derating)
	Storage Temperature	-40°C - +90°C
	MTBF	>350,000Hrs @ 25°C (MIL-HDBK-217F)
	Weight	60g
	Cooling Method	Free Air convection
Safety	Compliant Standards	cUL / UL Standard:UL 60950-1, CAN/CSA C22.2 No. 60950-1-07 ANSI/AAMI ES60601-1 (2005 + C1:09 + A2:10), CAN/CSA-C22.2 No. 60601-1 (2008), 2 x MOPP CB Standard: IEC 60950-1:2005 (2nd Edition) + Am 1:2009 + Am 2:2013 IEC 60601-1:2005 (3rd Edition) + CORR. 1 (2006) + CORR. 2 (2007) + AM1 (2012) or IEC 60601-1 (2012 reprint), 2 x MOPP
EMC	EMI	Compliance with EN55032 Class B (Radiation Class A for MFC15 A2 Series)
	EMS	EN60601-1-2 4th edition

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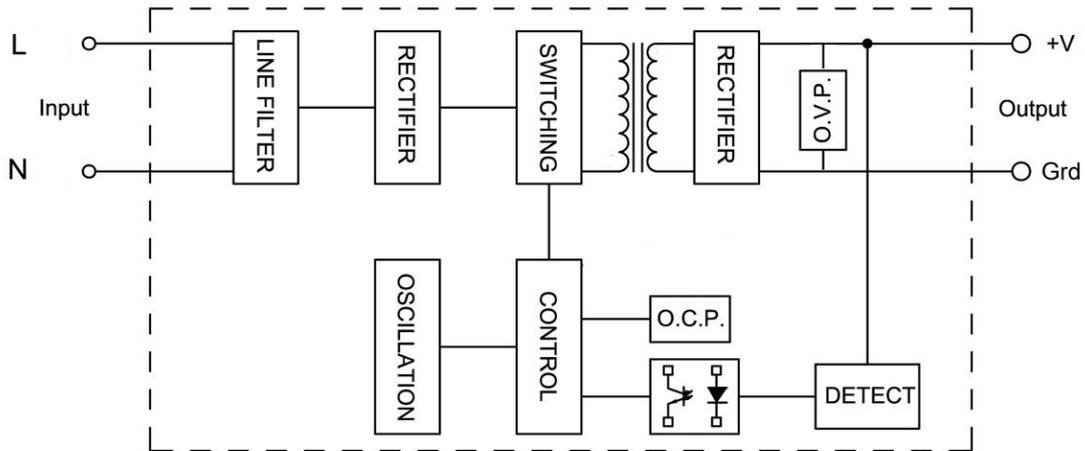
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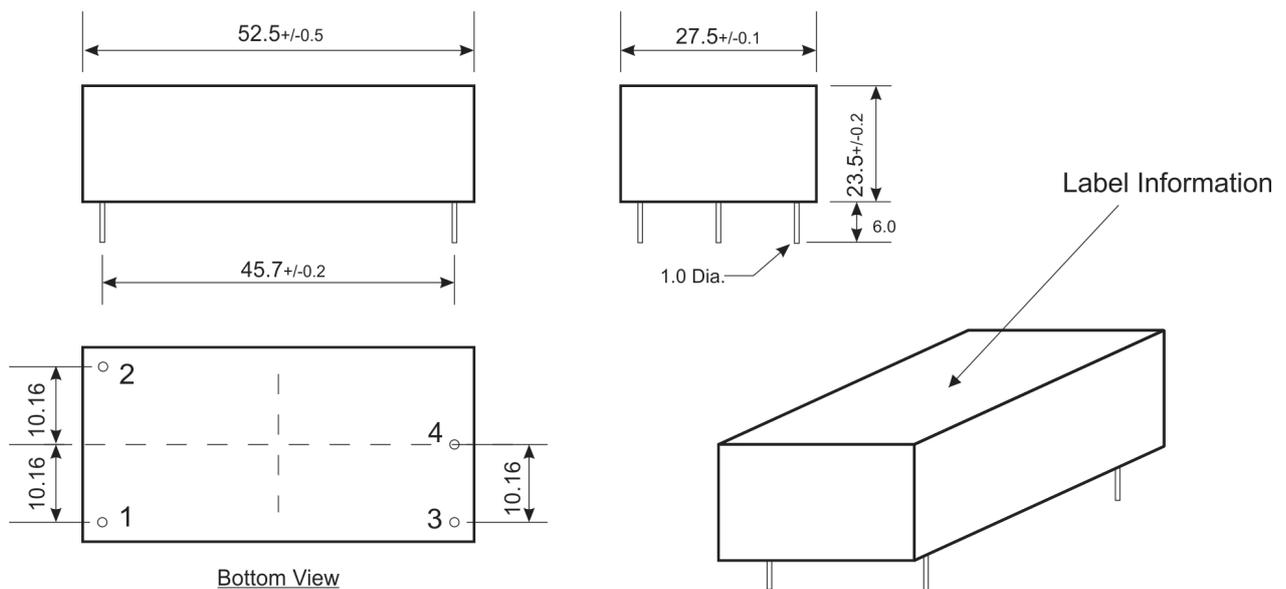
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Schematic Diagram



Notes:

Mechanical Layout



No.	Pin	Function
1	L	AC Input Line
2	N	AC Input Neutral
3	+V	DC Output +
4	-V	DC Output -

Recommended PCB
Hole size: 1.2mm Dia.

Unit weight: 60g

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