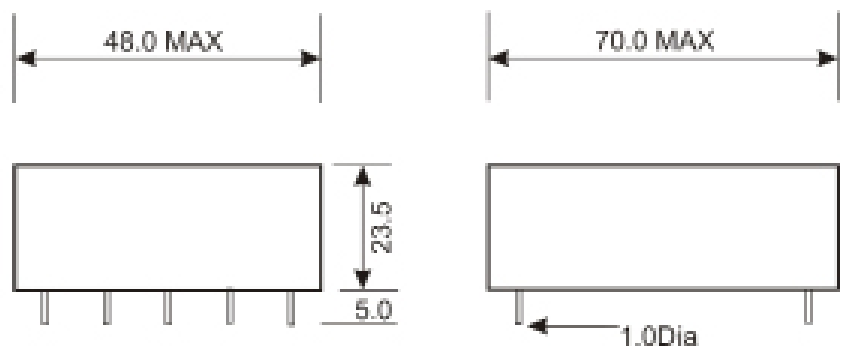
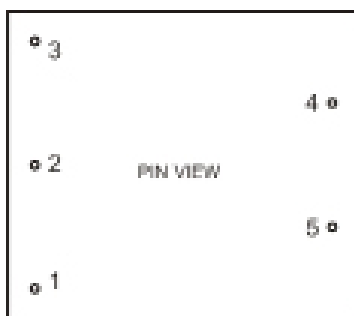




Features:

- 30W Small Compact Size
- 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
- Materials: UL94-V0
- Safety: EN61558, EN60950, CE

Part Number	Power Rating Watts	Output Voltage (VDC)	Output Current (mA)	Ambient Temp. (°C)	Efficiency Typical	Input Range
VTX-214-030-103	30	3.3	9000	70	80%	90 - 265VAC (100 - 370VDC)
VTX-214-030-105	30	5	6000			
VTX-214-030-106	30	6	5000			
VTX-214-030-107	30	7.5	4000			
VTX-214-030-109	30	9	3333			
VTX-214-030-112	30	12	2500			
VTX-214-030-115	30	15	2000			
VTX-214-030-118	30	18	1666			
VTX-214-030-124	30	24	1250			
VTX-214-030-148	30	48	625			
Note: Other output voltages are available upon request.						



Pin 1: Input FG
Pin 2: Input AC N
Pin 3: Input AC L
Pin 4: Output DC +V
Pin 5: Output GND

Unit weight: 140g

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 Fax. +44 (0)1993 777580 Web. www.vigortronix.com E-mail: sales@vigortronix.com

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Vigortronix.com

Model: 30 Watt		Specification
INPUT Pin 1: L Pin 2: N	Voltage Range	90 - 264VAC / 47 - 63Hz (120VDC - 370VDC)
	Current	100mA Max (100VAC) / 70mA Max (240VAC)
	Inrush Current	15A Max (100VAC) / 25A Max (240VAC)
	No Load power	0.3W Max
	Leakage Current	0.78mA Max
OUTPUT Pin 3: DC+ Pin 4: DC-	Voltage Accuracy	0.5%
	Ripple	<120mV Max (Vp-p)
	Noise	<1% Vout Max (Vp-p)
	Efficiency	80%
	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)
Enviroment	Operating Temperature	-25°C - +70°C (Full Load)
	Storage Temperature	-40°C - +105°C
	Humidity	10 - 95% RH
	MTBF	>200,000Hrs @ 25°C (MIL-HDBK-217F)
	Weight	140g
Safety	Agency Approval	EN60950-1, EN61558-1, EN61558-2-6, EN61558-2-17
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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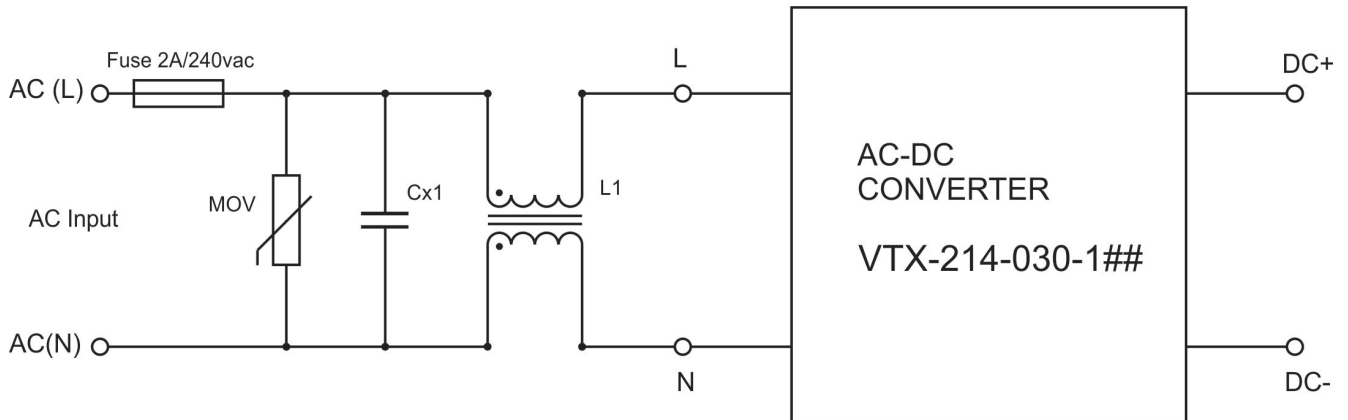
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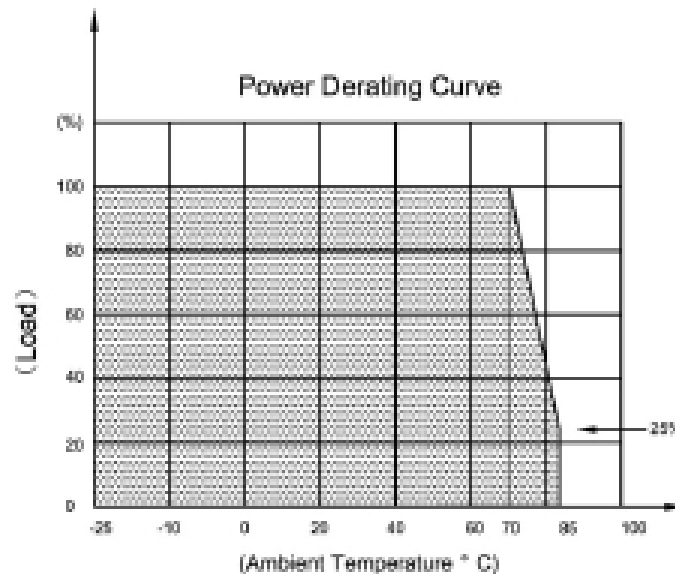
Vigortronix.com

Recommended Application Schematic for EMC

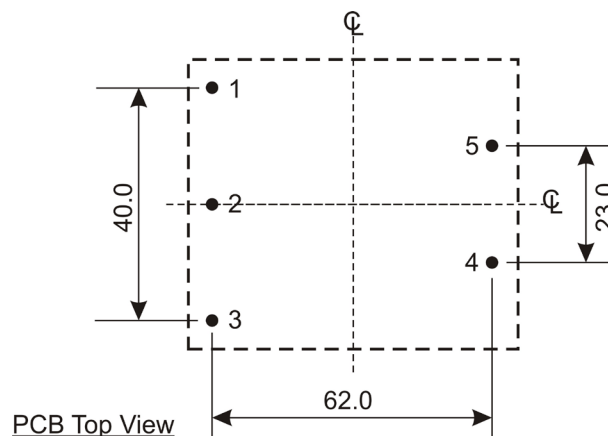


MOV : Type 14D431K
CX1: X2-Capacitor 0.1uF/275Vac
L1: Common Mode Choke, 15mH

Derating Graph



PCB Layout



Recommended PCB
Hole size: 1.5mm Dia.

Pin 1: Input FG
Pin 2: Input AC N
Pin 3: Input AC L
Pin 4: Output DC +V
Pin 5: Output GND

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