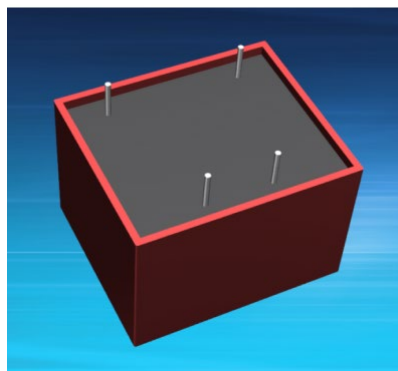


# TWO COMMON OUTPUTS 3W to 5W - REGULATED



Power Supplies

## 3 TO 5W SERIES



## MAIN FEATURES:

- 3W to 5W Small Compact Size - PCB Mount
- Two Common Outputs - Regulated
- Output Voltage Accuracy: See Table for 15 To 100% Rated Load of Each Output (includes line and load variations)
- Input Range : 85VAC - 265VAC/47 - 63Hz Or 120VDC - 370VDC
- Very Low Standby Power Consumption < 0.2W
- High Energetic Efficiency : Meets Requirements Of Energy Star and EC Code Of Conduct
- Encapsulated Design and same Footprint as EI30 Transformer: Upgrade your Application without redesigning the PCB
- Safety: Meets All Requirements of IEC/EN61558-2-16, IEC/EN60335, IEC/EN62368, UL/CUL60950, CE, VDE, ENEC Mark
- Materials : Uses UL 94-VO Plastic and Resin
- EMC : Conducted And Radiated Emission conform to EN55014, EN55032, CLASS B
- Immunity Conform To EN61000-3-2 CLASS A, EN61000-3-3, IEC61000-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-5, IEC61000-4-6, IEC61000-4-11



## DATA SHEET

Reference	Output 1 Output 2 (DC Volts)	Output 1 Output 2 (DC mA)	Output Power (W)	Output 1 Output 2 accuracy	Efficiency (%)	Ta (°C)
47243	10.5 7	350 max 100 max	4.7	+ 3% - 15%	72	+50
47244	15 7	300 max 70 max	5	+ 3% - 15%	73	+50
47243	10.5 7	315 max 100 max	4	+ 3% - 15%	72	+60
47244	15 7	234 max 70 max	4	+ 3% - 15%	73	+60
47245	12 5.5	130 max 300 max	3.2	+ 5% - 10%	65	+60
47246	5 12	400 (600max) 170 max	4	+ 3% - 15%	65	+60
47247	+15 -15	130 max 130 max	4	+ 8% - 8%	73	+60

**NOTE : Other output voltage are available upon request**

Please refer to MYRRA's website and catalogue for MYRRA SMPS application notes.

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# TWO COMMON OUTPUTS 3W to 5W - REGULATED



Power Supplies

## 3 TO 5W SERIES

Model : Two Isolated Outputs 3 TO 5W		Specifications
AC Input Characteristics	Rated Input Voltage	100~240 VAC or 140VDC-340VDC
	Input Voltage Range	85~265VAC or 120VDC-370VDC
	Input Frequency Range	47Hz~63Hz
	Rated AC Input Frequency	50/60Hz
	Input Current	0.2A Max@85VAC~265VAC, at full load
	Standby Power	0.2W Max (Meets the Requirements of Energy Star And EC Code Of Conduct)
DC Output Characteristics	Output Voltage Accuracy	See Table For 15 to 100% Rated Load Of Each Output (includes line and load variations)
	Turn On Delay	2S max @ 85VAC~265VAC input and DC output with full load
	Efficiency	See Table (Meet the Requirements of Energy Star And EC Code Of Conduct)
Protection Characteristics	Over Current Protection	The power supply shall automatic protection. The power supply shall auto-recovery normal operation after the deformation is removed. No excessive heat, odor, or plastic deformation shall occur, no safety hazard
	Output Short Circuit Protection	The power supply shall with stand a continuous output short without damage in 24 hours ; The short may be applied before power on, or after power on; The power supply shall resume normal operation after the short is removed, no excessive heat, odor, or plastic deformation shall occur, no safety hazard
	Over Temperature Protection	The power supply shall shut down when the junction temperature of PWM controller exceeds the thermal shutdown temperature, typically 140°C $\pm$ 10°C
Environmental	Operation Temperature	-25°C~ +Ta (see table)
	Operation Humidity	10~90% RH (No Considering) @ full load

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# TWO COMMON OUTPUTS 3W to 5W - REGULATED



Power Supplies

## 3 TO 5W SERIES

	Storage Temperature	-40°C~+85°C
	Storage Humidity	5%~95%
<b>Safety &amp; EMC Requirement</b>	Dielectric Strength	Primary to Secondary: 4000VAC 5mA, 3 sec.
	Radiation	Meeting EN55032,EN55014, FCC part 15 Class B. under 3dB margin
	Conduction	Meets EN55032,EN55014, FCC part 15 Class B. under 3dB margin
	Power Clamp Radiation	Meets EN55014-1:2006+A1:2009+A2:2011
	Lightning Surge	Meets IEC61000-4-5:2014, ±1KV (surge level can be extended to 6KV, with an external circuit please refer to MYRRA's website and catalogue for MYRRA SMPS application notes)
	Electrical fast Transient	Meets EN61000-4-4:2012, ±1KV
	Harmonic Current Disturbance	Meets EN61000-3-2:2014, Class A
	Safety Standards	Meets all requirements of : UL/CUL60950 IEC/EN62368 IEC/EN60335 IEC/EN61558-2-16 CE,VDE, And ENEC Mark VDE Approval No. 4001563 UL Approval No. E345767
<b>Reliability Requirement</b>	MTBF	Calculated by MIL-HDBK-217-F2 550K Hours Min. @230VAC input, 25deg.C
	Burn-in-Test	The unit shall be burned in for 2~5hours under 230VAC input and DC with full load at an ambient temperature of 30~45 degrees C
<b>Net Weight</b>	Approximately 30 grams per product unit	
<b>Guarantee</b>	This product is in accordance with the European RoHS & REACH directives	

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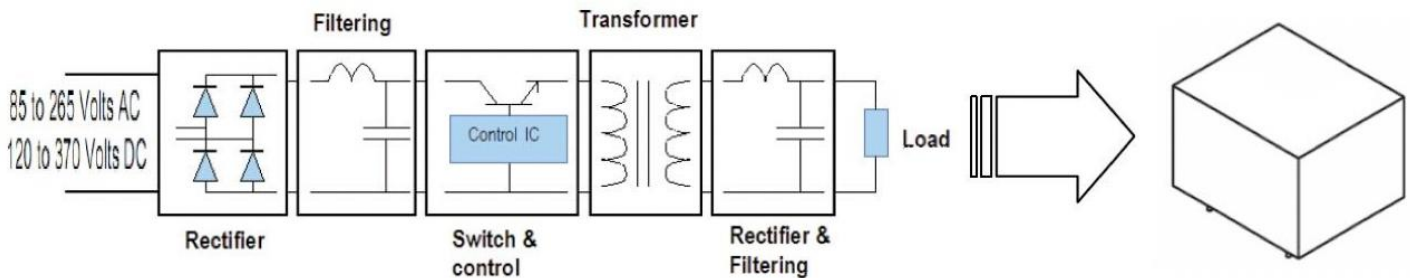
# TWO COMMON OUTPUTS 3W to 5W - REGULATED



Power Supplies

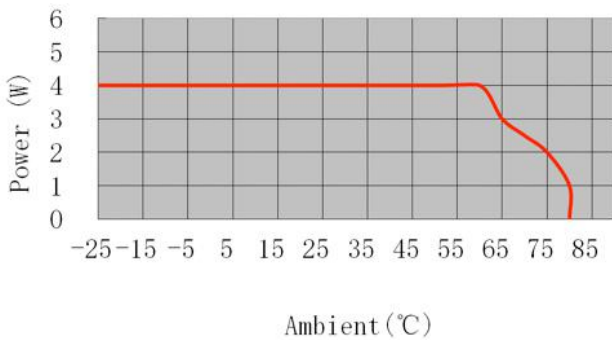
## 3 TO 5W SERIES

## SCHEMATIC

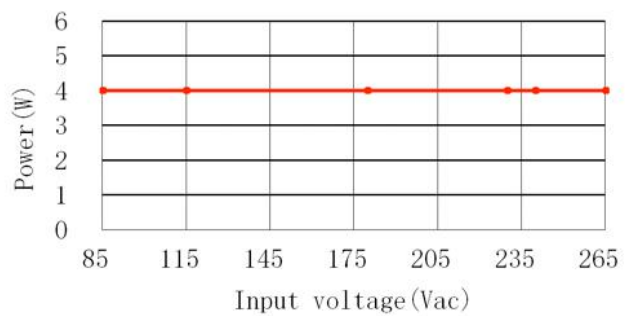


## DERATING GRAPH (TYPICALLY 12V TYPE)

Power Derating Curve

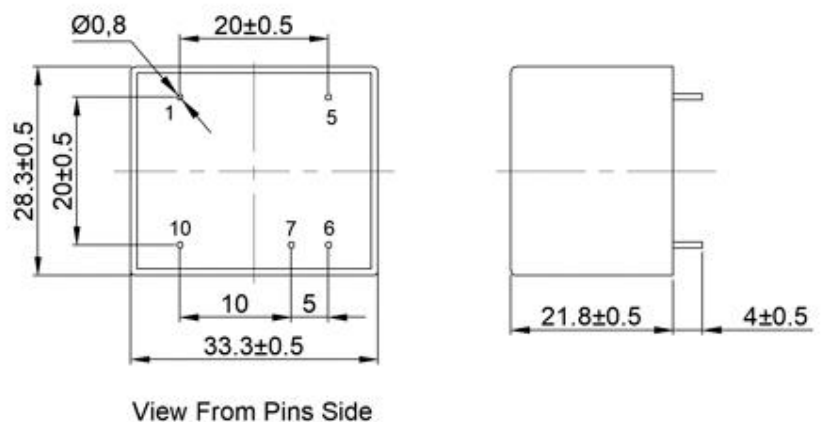


Power Derating Curve



## DIMENSIONS AND PINOUT 4 PINS

- PRI :
  - Pins 1-5: AC or DC Input
- SEC
  - Pin 6 : DC Output 1 0V:
  - Pin 7 : DC Output 1 +V
  - Pin 9 : DC Output 2 0V
  - Pin 10 : DC Output 2 + V



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