

ONE OUTPUT 2.4W to 5W



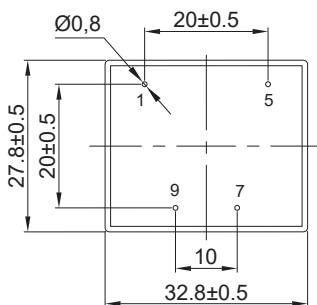
MAIN FEATURES

- 2.4W to 5W Small Compact Size - PCB Mount
- Single Output
- Output Range : 5.5VDC - 24VDC
- Input Range : 85VAC - 265VAC/47 - 63Hz Or 120VDC - 370VDC
- Very Low Standby Power Consumption < 0.3W
- Better Energetic Efficiency : Meet Requirements Of Energy Star
- Encapsulated Design And Same Footprint As EI30 Transformer : Upgrade Your Application Without Redesign Of PCB

- Safety : Meets All Requirements of: IEC/EN61558-2-16, IEC/EN60950, IEC/EN60335, UL/CUL60950, CE, VDE, ENEC Mark
- Materials : Uses UL 94-V0 Plastic And Resin
- EMC : Conducted And Radiated Emissions Conform To EN55014, EN55032, CLASS B
- Immunity Conform To EN61000-3-3, EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-8, EN61000-4-11

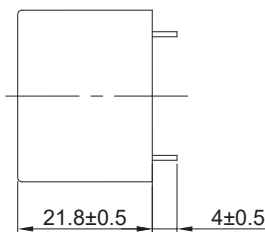
Part Number	Output Power (W)	Output Voltage (Vdc)	Output Current (mA)	Output Load Regulation (%)	Ambient (°C)	Min. Part Efficiency(%)
47114	2.4	12	200	± 5	70	74
47132	2.5	5	500			68
47133	3.2	9	360			73
47134		12	270			75
47135		18	180			78
47136		24	130			80
47162	5	5	900		50	68
47163		9	560			73
47164		12	420			75
47165		18	280			78
47166		24	210			80

DIMENSIONS and PINOUT

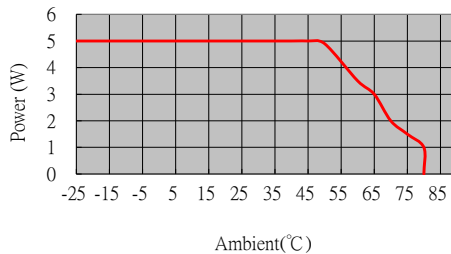


View From Pins Side

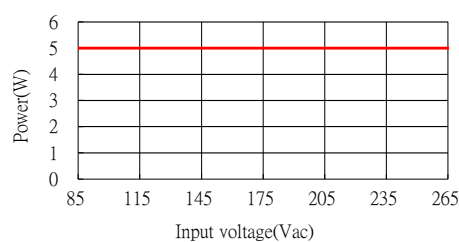
4 pins
 pins 1 & 5 : AC or DC Input
 pin 7 : DC output +V
 pin 9 : DC output 0V



Power Derating Curve



Power Derating Curve



Model: 2.5 To 5 Watt		Specification
AC Input Characteristics	Rated AC input Voltage	100~240Vac Or 140VDC-340VDC
	AC Input Voltage Range	85~265Vac Or 120VDC-370VDC
	AC 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(Meet Requirements Of Energy Star And EC Code Of Conduct)
DC Output Characteristics	Output Voltage Accuracy	± 2%
	Output Voltage Line Regulation	± 0.5%
	Output Voltage Load Regulation	± 1%
	Ripple & Noise	Max 200mVp-p@ Rated AC input(The measuring will be terminated with a 47uF AL E-Cap and a 0.1uF Cer-Cap. An oscilloscope set at 20MHz bandwidth)
	Efficiency	See Table (Meet Requirements Of Energy Star And EC Code Of Conduct)
Protection Characteristics	Over Current Protection	The power supply shall automatic protection. The power supply shall autorecovery 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 withstand 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
Environmental	Operation Temperature	The power supply shall shut down when the junction temperature of PWM controller exceeds the thermal shutdown temperature , typically 140°C±10°C.
	Operation Humidity	10~ 90% RH(No Condensing) @ full load
	Storage Temperature	-40°C~ +85°C
	Storage Humidity	5%~95%
Safety & EMC Requirement	Dielectric Strength	Primary to Secondary: 4000Vac 5mA, 3 sec.
	Radiation	Meet EN55022,EN55014 , Class B. under 3dB margin
	Conduction	Meet EN55022,EN55014, Class B. under 3dB margin
	Safety Standards	Meet all requirements of UL/CUL60950 - IEC/EN60950 - IEC/EN60335 - EC/EN61558-2-16 CE,VDE, And ENEC Mark VDE Approval No. 40034334 - UL Approval No.E352488
Reliability Requirement	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
Net Weight	About 30 grams per product unit	
Guarantee	This product meet to RoHS standard	

ONE OUTPUT 2.5W to 5W



MAIN FEATURES

- 2.5 To 5W Small Compact Size - PCB Mount
- Single Output
- Output Range : 3.3VDC - 24VDC
- Input Range : 85VAC - 265VAC/47 - 63Hz Or 120VDC - 370VDC
- Very Low Standby Power Consumption < 0.2W
- Better Energetic Efficiency : Meet Requirements Of Energy Star And EC Code Of Conduct
- Encapsulated Design And Same Footprint As EI30 Transformer : Upgrade Your Application Without Redesign Of PCB

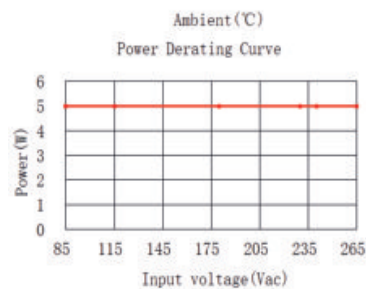
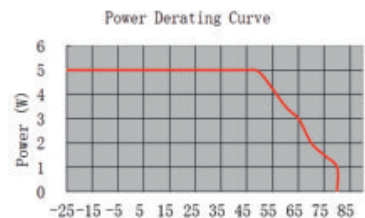
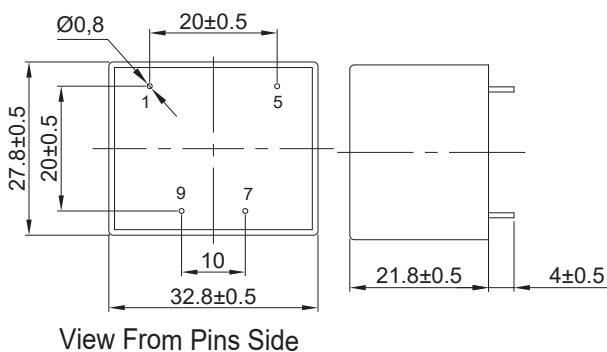
- Safety : Meets All Requirements of: IEC/EN61558-2-16, IEC/EN60950, IEC/EN60335, UL/CUL60950, CE, VDE, ENEC Mark
- Materials : Uses UL 94-V0 Plastic And Resin
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Part Number	Output Power (W)	Output voltage (Vdc)	Output current (mA)	Output Load Regulation (%)	Max. Operating Ambient (°C)	Min. Part Efficiency(%)
47121	2.5	3.3	750	± 2	70	65
47122	2.75	5	550			68
47123	2.5	9	270			72
47124		12	210			74
47125		15	170			75
47126		24	110			77
47151		4.5	3.3			1350
47152	5	5	900		68	
47153	5	9	550		72	
47154		12	420		75	
47155		15	320		76	
47156		24	220		79	
47157	4.5	3.8	1180		66	

Special Version : 4712xSLI and 4715xSLI = 19.2mm case height (x=1, 2, 3, 4, 5, 6 or 7)

DIMENSIONS and PINOUT

4 pins
 pins 1 & 5 : AC or DC Input
 pin 7 : DC output +V
 pin 9 : DC output 0V



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	AC Input Voltage Range	85~265Vac Or 120VDC-370VDC
	AC 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(Meet Requirements Of Energy Star And EC Code Of Conduct)
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