

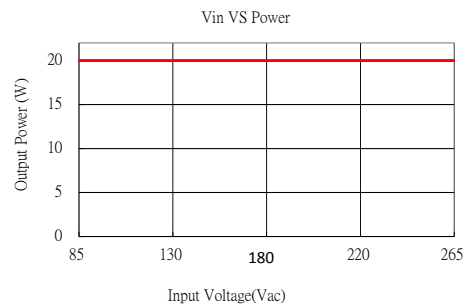
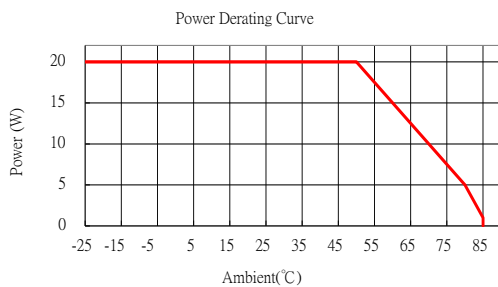
ONE OUTPUT 20W

MAIN FEATURES

- 20W 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 = 0.1W
- Better Energetic Efficiency : Meet Requirements Of Energy Star And EC Code Of Conduct
- Encapsulated Design
PCB Total Power Solution

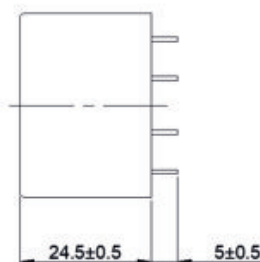
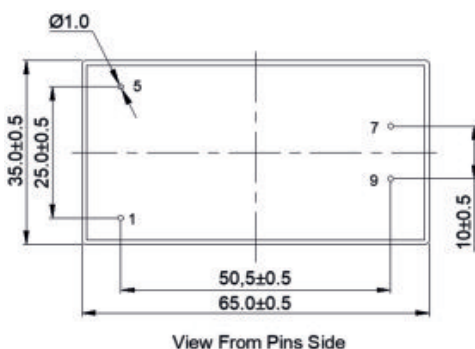
- Safety : Complies with IEC/EN61558-2-16, IEC/EN60950, IEC/EN60335, UL/CUL60950, CE.
- Materials : Uses UL 94-V0 Plastic And Resin
- EMC : Conducted And Radiated Emissions Conform To EN55014 CLASS B, EN55032 CLASS B And FCC Part 15
- Immunity Conform To EN61000-3-3, EN61000-4-2, EN61000-4-3, EN61000-4-4, 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 (%)	Max.Operating Ambient (°C)	Min. Part Efficiency (%)
47220	15	3.3	4500	± 4	50	82
47221	20	5	4000			
47222		9	2200	± 3	60	85
47223		12	1700			
47224		15	1400			
47225		18	1100			
47226		24	840			



DIMENSIONS and PINOUT

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



@ pending certification

Model: 20 Watt		Specification
AC Input Characteristics	Rated input Voltage	100~240Vac Or 140VDC-340VDC
	Input Voltage Range	85~265Vac Or 120VDC-370VDC
	AC Input Frequency	47Hz~63Hz
	Rated AC Input Frequency	50/60Hz
	Input Current	0.6A Max@85Vac~265Vac, at full load
	Standby Power	0.15W Max (Meets requirements Of Energy Star And EC Code Of Conduct)
DC Output Characteristics	Output Voltage Accuracy	± 3% (9V, 12V, 15V, 18V, 24V Types) ± 4% (3.3V Type, 5V Type)
	Output Voltage Line Regulation	± 2% (9V, 12V, 15V, 18V, 24VTypes) ± 3% (3.3V and 5V Types)
	Output Voltage Load Regulation	± 3% (9V, 12V, 15V, 18V, 24V Types) ± 4% (3.3V Type, 5V Type)
	Ripple & Noise	Max 180mVp-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	Meets requirements Of Energy Star And EC Code Of Conduct
Protection Characteristics	Over Current Protection	The power supply shall automatically protect. The power supply shall auto-recover 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	-25°C ~+50°C (see derating curve)
	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	Meeting EN55032, EN55014, FCC part 15, Class B. under 3dB margin
	Conduction	Meeting EN55032, EN55014, FCC part 15, Class B. under 3dB margin
	Safety Standards	Meet all requirements of : UL/CUL62368 - IEC/EN60335 - IEC/EN61558-2-16 - IEC/EN62368 -
Reliability Requirement	MTBF	Calculated by MIL-HDBK-217-F2 200K Hours Minimum @230VAC input, 50deg.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
Mechanical	Physical Size	The units do not including PINs of input and output , and dimension is : (L)65*(W)35*(H)24.5± 0.5mm (see appearance drawing)
	Net Weight	Approximately 92 grams per product unit.
Guarantee	This product meets RoHS standard	