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201W Single Output Switching Power Supply

GS-201T...

Feature

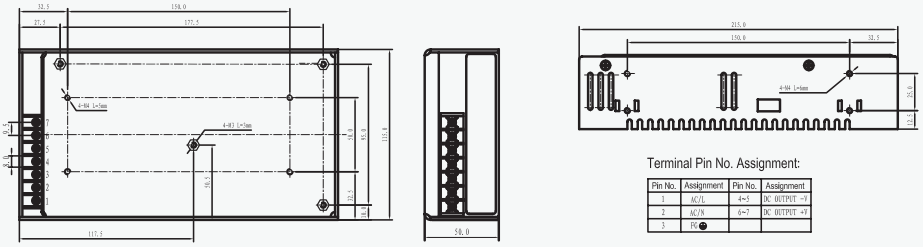
- High efficiency, high reliability, lost cost
- AC input range selected by switch
- Fixed switching frequency at 25KHz
- Protections: Short circuit/ Over load/ Over voltage/ Over temperature
- Cooling by free air convection
- 100% full load burn-in test
- 1 year warranty
- Dimensions: 215*115*50mm(L*W*H)

Notes:

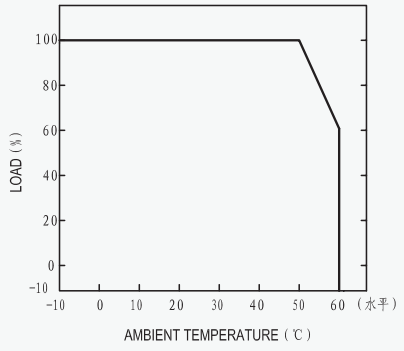
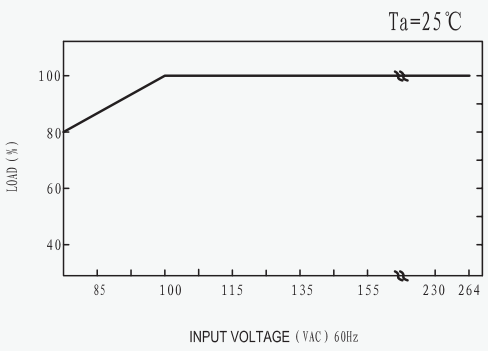
- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25℃ of ambient temperature.
- Ripple & noise are measurd at 20MHz of bandwidthby using a12" twisted pair wire terminated with a 0.1μf & 47μf parallel capacitor.
- Tolerance:includes set up tolerance, line regulation and load regulation

Model		GS -201T-5	GS -201T-7.5	GS -201T-12	GS -201T-13.5	GS -201T-24	GS -201T-27	GS -201T-48
Output	DC Voltage	5V	7.5V	12V	13.5V	24V	27V	48V
	Voltage Tolerance	±2%	±2%	±1%	±1%	±1%	±1%	±1%
	Rated Current	40A	26.5A	16.5A	14.7A	8.3A	7.4A	4.2A
	Current Range	0-40A	0-26.5A	0-16.5A	0-14.7A	0-8.3A	0-7.4A	0-4.2A
	Rated Power	200W	198.75W	198W	198.45W	199.2W	199.8W	201.6W
	Ripple & Noise	150mVp-p	150mVp-p	150mVp-p	150mVp-p	150mVp-p	200mVp-p	240mVp-p
	DC Voltage adi. Range	-10%, +12%	±20%	-16%, +10%	-12%, +11%	-16%, +10%	-4%, +18%	-15%, +17%
	Setup,Rise,Hold Time	200ms,100ms,20ms at full load						
Input	Voltage Range	90-132 VAC/180-264VAC47-63 Hz; selected by switch 254-370VDC						
	AC Current	4.5A/115VAC2.5A/230VAC						
	Efficiency	74%	79%	80%	80%	83%	83%	84%
	Inrush Current	50A/115V 50A/230V						
	Leakage Current	<3.5 mA/240VAC						
Protection	Over Load	115%~135%						
		Protection type: shut down o/p voltage, recovers automatically after fault condition is removed						
	Over Voltage	115%~135%						
		Protection type: hiccup mode,recovers automatically after fault condition is removed						
	Over Temperature	RTH3>=90°C, shut down o/p voltage, recovers automatically after temperature goes down						
Environment	Working Temp & Humidity	-10°C~+60°C; 20%~90 %RH						
	Storage Temp & Humidity	-20°C~ +85°C; 10%~95 %RH						
	Vibration	10-500Hz, 2G 10min./1cycle, period for 60min, each along X, Y, Z axes						
Safety	Withstand Voltage	I/P-O/P: 1.5KVAC I/P-FG: 1.5KVAC O/P-FG: 0.5KVAC						
	Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG 100M /500VDC						
Standards	Safety Standard	Design refer to UL1950						
	EMC Standard	Drsign refer to FCC Part 15 J Conduction Class A						
Others	Weight	0.93Kg						
	Packing	12pcs/12Kg/0.98CUFT						

Outline and dimension



Derating Curve



Output derating VS input voltage