

MODEL NO.ENZ-25W SPEC

This specification describes the requirements of 25watts Max switching power supply, Full voltage range.

specification

OUTPUT	DC VOLTAGE			12V		24V		
	RATED CURRENT			2.1A		1.1A		
	CURRENT RANGE			0~2.1A		0~1.1		
	RATED POWER			25.2W		26.4W		
	RIPPLE & NOISE (max.) Note.2			120mVp-p		200mVp-p		
	VOLTAGE ADJ. RANGE			10.8~13.2		22~27.6		
	VOLTAGE TOLERANCE Note.3			±1%		±1%		
	LINE REGULATION Note.4			±0.5%		±0.5%		
	LOAD REGULATION Note.5			±0.5%		±0.5%		
	SETUP, RISE TIME	1800ms, 100ms/230VAC 4000ms, 100ms/115VAC at full load						
	HOLD UP TIME (Typ.)	70ms/230VAC 13ms/115VAC at full load						
INPUT	VOLTAGE RANGE	88-264Vac 125-373VDC (Withstand 300VAC surge for 5sec. Without damage)						
	FREQUENCY RANGE	47- 63Hz						
	EFFICIENCY(Typ.)	74%	79%	82%	84%	84%	85%	
	AC CURRENT (Typ.)	0.7A /115Vac 0.4A/230VAC						
	INRUSH CURRENT (Typ.)	COLD START 40A/230VAC						
	LEAKAGE CURRENT	<2mA/240VAC						
PROTECTION	OVER LOAD	110 ~ 180% rated output power						
		Prtection type: Hiccup mode.recovers automatically after fault condition is removed						
	OVER VOLTAGE	3.8~4.45V	5.75~6.75V	13.8~16.2V	17.25~20.25V	27.6~32.4V	55.2~64.8V	
		Prtection type: Hiccup mode.recovers automatically after fault condition is removed						
ENVIRONMENT	WORKING TEMP	-20 ~ +70°C (Refer to output load derating curve)						
	WORKING HUMIDITY	20 ~ 90% RH (non-condensing)						
	STORAGE TEMP., HUMIDITY	-40~ +85°C, 10 ~ 95% RH						
	TEMP COEFFICIENCY	± 0.03% C(0-50C) on 5V output						
	VIBRATION	100 -500Hz, 2G 10min/1 cycle, Period for 60min .each along X.Y.Z exes.						
SAFETY	SAFETY STANDARD	UL 60950-1 Approved						
	WITHSTAND VOLTAGE	I/P -O/P :3KVAC I/P-FG: 1.5KVAC O/P-FG:0.5KVAC						
	ISOLATION RESISTANCE	IP-O/P, I/P-FG. O/P-FG 100M Ohms /500VDC/25°C/70%RH						
	EMI CONDUCTION & RADIATION	Compliance to EN55022 (CISPR22) Class B, EN61000-3-2,-3						
	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN61000-6-2 (EN50082-2), heavy industry level, criteriaA						

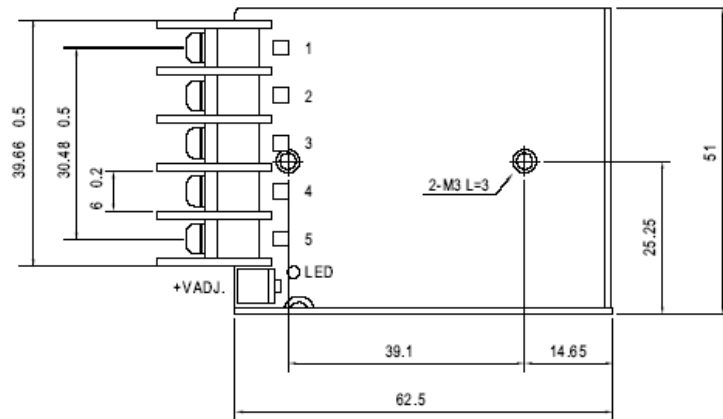
AUDIT: _____ CHECK: _____ DESIGN: 楊琳琅

ENZ2500 REV:2.0

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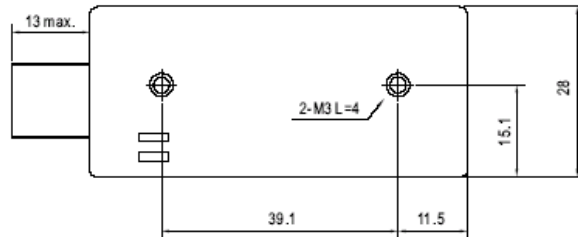
2016/03/09

OTHERS	MTBF	309.7K hrs min. MIL-HDBK-217F(25°C)
	DIMENSION	L62.5*W51*H28mm
	PACKING	0.2Kg;60pcs/13Kg/0.46CUFT
NOTE	1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C ambient temperature.	
	2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.	
	3. Tolerance : includes set up tolerance, line regulation and load regulation.	
	4. Line regulation is measured from low line to high line at rated load.	
	5. Load regulation is measured from 0% to 100% rated load.	
	6. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.	

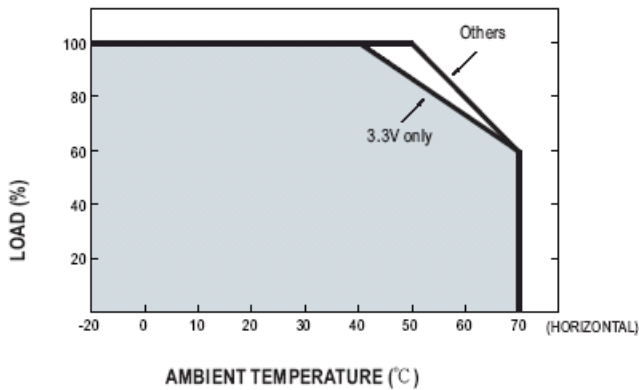


Terminal Pin No. Assignment

Pin No.	Assignment	Pin No.	Assignment
1	AC/L	4	DC OUTPUT -V
2	AC/N	5	DC OUTPUT +V
3	FG		



Derating Curve



Static Characteristics (24V)

