



Features:

- Universal AC input / Full range
- Built-in active PFC function, PF>0.94
- Protections:Short circuit/Over load/Over voltage
- Forced air cooling by built-in DC fan
- Fixed switching frequency at 100KHz(Optional)
- 3 years warranty

SPECIFICATION

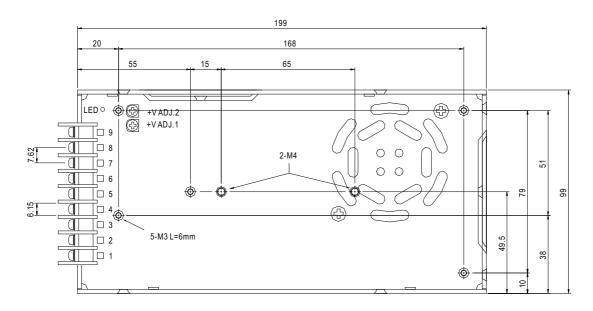


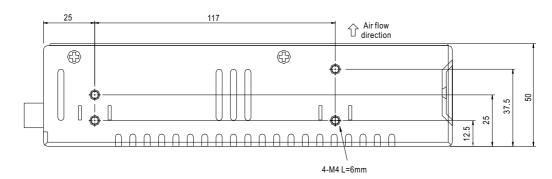
MODEL		TP-150A			TP-150B			TP-150C			TP-150D		
	OUTPUT NUMBER	CH1	CH2	CH3	CH1	CH2	CH3	CH1	CH2	CH3	CH1	CH2	CH3
ОИТРИТ	DC VOLTAGE	5V	12V	-5V	5V	12V	-12V	5V	15V	-15V	5V	24V	12V
	RATED CURRENT	15A	6A	0.6A	15A	5.5A	0.6A	15A	4.5A	0.6A	15A	3A	0.6A
	CURRENT RANGE	2 ~ 20A	0.4 ~ 7A	0 ~ 1A	2 ~ 20A	0.4 ~ 7A	0 ~ 1A	2 ~ 20A	0.4 ~ 6A	0 ~ 1A	2 ~ 20A	0.4 ~ 4A	0 ~ 1A
	RATED POWER	150W			148.2W			151.5W		154.2W			
	RIPPLE & NOISE (max.) Note.2	100mVp-p 120mVp-p 100mVp-p								100mVp-p 150mVp-p 100mV			
	VOLTAGE ADJ. RANGE		CH1: 4.75 ~ 5.5V										
	VOLTAGE TOLERANCE Note.3	±3.0%	±8.0%	±6.0%	±3.0%	±8.0%	±6.0%	±3.0%	+10,-6%	±6.0%	±3.0%	±8.0%	±6.0%
	LINE REGULATION	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%
	LOAD REGULATION	±3.0%	±6.0%	±4.0%	±3.0%	±6.0%	±4.0%	±3.0%	±6.0%	±4.0%	±3.0%	±6.0%	±4.0%
	SETUP, RISE TIME	800ms, 60)ms/230VA	C 800	0ms, 60ms	/115VAC at	full load			<u>I</u>			
	HOLD TIME (Typ.)	24ms/230VAC 24ms/115VAC at full load											
INPUT	VOLTAGE RANGE	90 ~ 264VAC 127 ~ 370VDC											
	FREQUENCY RANGE	47 ~ 63Hz											
	POWER FACTOR (Typ.)	PF>0.94/230VAC PF>0.98/115VAC at full load											
	EFFICIENCY (Typ.)	75%											
	AC CURRENT (Typ.)	2.5A/115VAC 1.2A/230VAC											
	INRUSH CURRENT (Typ.)	COLD START ≤40A/230V											
	LEAKAGE CURRENT	<3.5mA / 240VAC											
PROTECTION		105 ~ 150% rated output power											
	OVER LOAD	Protection type: Hiccup mode, recovers automatically after fault condition is removed											
		5.75 ~ 6.75V on +5V											
	OVER VOLTAGE	Protection type : Shut down o/p voltage, re-power on to recover											
		95°C ±5°C (TSW1)											
	OVER TEMPERATURE(OPTION)	Protection type: Shut down o/p voltage, recovers automatically after temperature goes down											
ENVIRONMENT	WORKING TEMP.	-10 ~ +60°C (Refer to output load derating curve)											
	WORKING HUMIDITY	20 ~ 90% RH non-condensing											
	STORAGE TEMP., HUMIDITY	-20 ~ +85°C, 10 ~ 95% RH											
	TEMP. COEFFICIENT	±0.03%°C (0~50°C)											
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes											
SAFETY & EMC (Note 4)	SAFETY STANDARDS			160950-1 Ap		<u> </u>	,						
	WITHSTAND VOLTAGE	I/P-O/P:3	KVAC I/I	P-FG:1.5KV	AC O/P-	FG:0.5KVA	C 1min.						
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms/500VDC											
	EMI CONDUCTION & RADIATION												
	HARMONIC CURRENT	Compliance to EN61000-3-2,-3											
	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, EN55024, Light industry level, criteria A											
OTHERS	MTBF	161.6K hrs min. MIL-HDBK-217F (25°C)											
	DIMENSION	199*99*50mm (L*W*H)											
	PACKING		pcs/19Kg/										
NOTE	Ripple & noise are measure Tolerance : includes set up	All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. Folerance: includes set up tolerance, line regulation and load regulation. 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.											



■ Mechanical Specification

Case No. 916B Unit:mm





Terminal Pin No. Assignment:

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Pin No.	Pin No. Assignment		Assignment	Pin No.	Assignment		
1	AC/L	4	DC OUTPUT V3	8,9	DC OUTPUT COM		
2	AC/N	5	DC OUTPUT V2				
3	FG ≟	6.7	DC OUTPUT V1				

■ Derating Curve

■ Output Derating VS Input Voltage

