



100W Triple Output Switching Power Supply

T-100 series



■ Features :

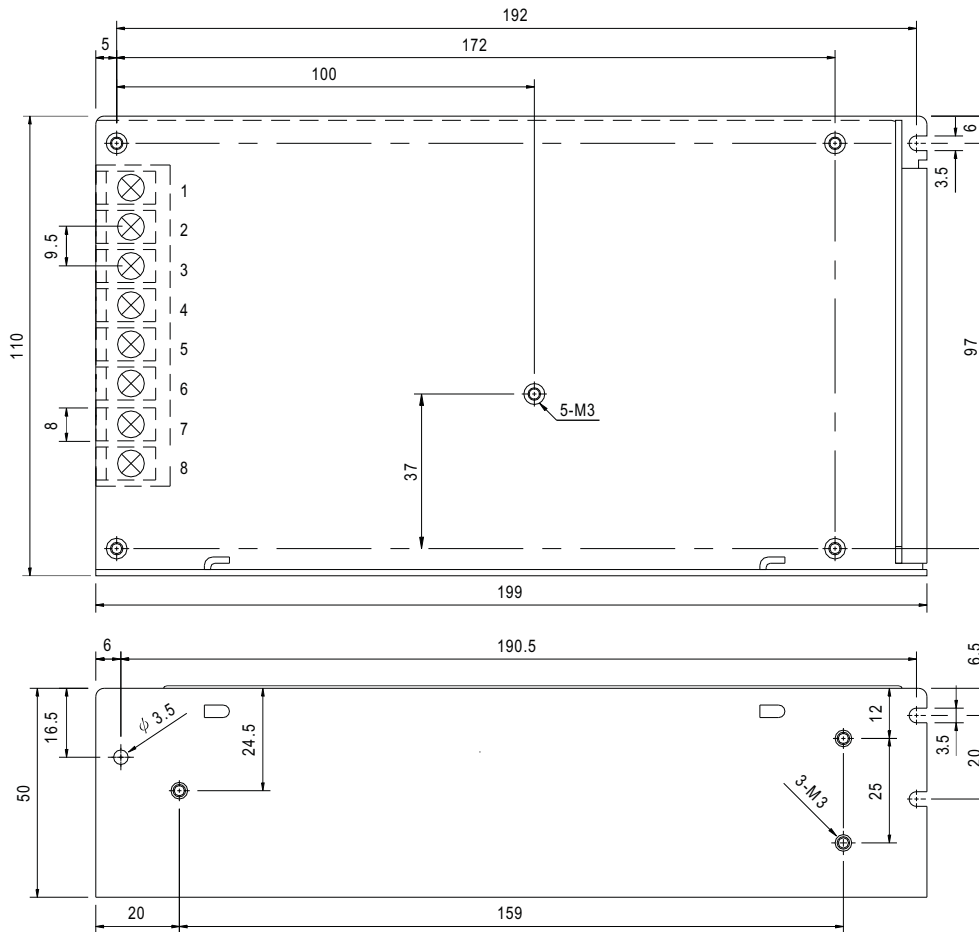
- AC input range selected by switch
- Protections: Short circuit/Over load
- 100% full load burn-in test
- Fixed switching frequency at 25KHz
- 1 year warranty

SPECIFICATION

MODEL		T-100C			T-100D		
OUTPUT	DC VOLTAGE	5V	15V	-15V	5V	12V	24V
	RATED CURRENT	10A	2.5A	1A	6A	2A	2A
	CURRENT RANGE	2 ~ 12A	0.2 ~ 2.5A	0.1 ~ 1A	2 ~ 12A	0.1 ~ 2A	0.2 ~ 2A
	RATED POWER	100W			102W		
	RIPPLE & NOISE (max.) Note.2	80mVp-p	150mVp-p	150mVp-p	80mVp-p	150mVp-p	150mVp-p
	VOLTAGE ADJ. RANGE	CH1: 4.75 ~ 5.5V			CH1: 4.75 ~ 5.5V		
	VOLTAGE TOLERANCE Note.3	±2.0%	±6.0%	±6.0%	±2.0%	±6.0%	±6.0%
	LINE REGULATION	±0.5%	±1.0%	±1.0%	±0.5%	±1.0%	±1.0%
	LOAD REGULATION	±1.0%	±6.0%	±6.0%	±1.0%	±5.0%	±5.0%
	SETUP, RISE, HOLD TIME	200ms, 50ms, 16ms at full load					
INPUT	VOLTAGE RANGE	85 ~ 132VAC/170 ~ 264VAC selected by switch 240 ~ 370VDC					
	FREQUENCY RANGE	47 ~ 63Hz					
	EFFICIENCY (Typ.)	77%				79%	
	AC CURRENT	2.5A/115VAC 1.25A/230VAC					
	INRUSH CURRENT (max.)	COLD START 30A/115VAC 60A/230VAC					
	LEAKAGE CURRENT	<0.5mA / 240VAC					
PROTECTION	OVER LOAD	105 ~ 150% rated output power					
		Protection type : Shut down o/p voltage, re-power on to recover					
ENVIRONMENT	WORKING TEMP.	-10 ~ +60℃ (Refer to output load derating curve)					
	WORKING HUMIDITY	20 ~ 90% RH non-condensing					
	STORAGE TEMP., HUMIDITY	-20 ~ +85℃, 10 ~ 95% RH					
	TEMP. COEFFICIENT	±0.03%/℃ (0~50℃) on +5V output					
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes					
SAFETY & EMC	SAFETY STANDARDS	Design refer to UL1012					
	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 Ohms/500VDC					
	EMI CONDUCTION & RADIATION	Design refer to FCC Part15 J Conduction Class B					
OTHERS	MTBF	371.8K hrs min. MIL-HDBK-217F (25℃)					
	DIMENSION	199*110*50mm (L*W*H)					
	PACKING	0.8Kg; 16pcs/13.8Kg/0.95CUFT					
NOTE	1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25℃ of 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.						

Mechanical Specification

Case No. 906 Unit:mm

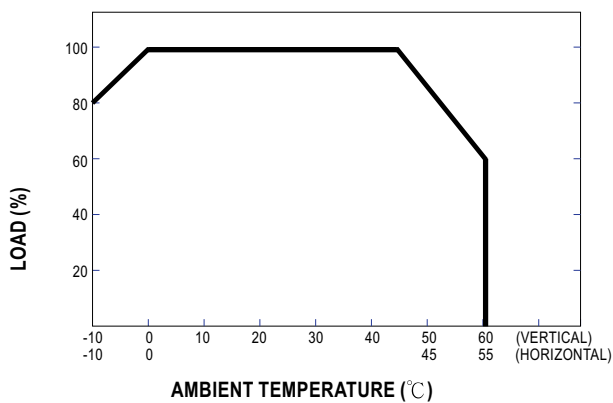


Terminal Pin. No Assignment

Pin No.	Assignment	Pin No.	Assignment
1	AC/L	4,5,6	DC OUTPUT
2	AC/N	7	DC OUTPUT COM
3	FG $\perp$	8	DC OUTPUT +5V

MODEL	T-100C	T-100D
Pin No.		
4	+15V	+24V
5	-15V	COM
6	COM	+12V

Derating Curve



Static Characteristics (C)

