



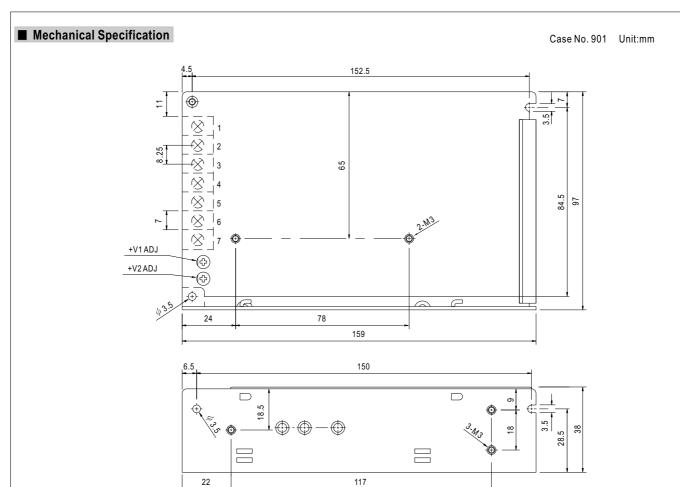
Features:

- Isolated output & GND for CH1,CH2
- Universal AC input/Full range
- Protections:Short circuit/Overload/Over voltage
- Cooling by free air convection
- 100% full load burn-in test
- Fixed switching frequency at 50KHz
- Low cost
- High reliability
- 1 year warranty

SPECIFICATION

MODEL		ID-50A		ID-50B		ID-50C		ID-50D			
	OUTPUT	CH1	CH2	CH1	CH2	CH1	CH2	CH1	CH2		
	DC VOLTAGE	5V	5V	13.5V	13.5V	27V	27V	5V	13.5V		
	RATED CURRENT	6A	2A	1.8A	1.8A	0.9A	0.9A	5A	1.7A		
	CURRENT RANGE	0.5 ~ 6A	0 ~ 2A	0.3 ~ 2A	0 ~ 2A	0.18 ~ 1A	0 ~ 1A	1 ~ 5A	0 ~ 2A		
	RATED POWER	40W		48.6W		48.6W		48W			
	RIPPLE & NOISE (max.) Note.2	50mVp-p	100mVp-p	100mVp-p	150mVp-p	100mVp-p	150mVp-p	50mVp-p	150mVp-p		
OUTPUT	VOLTAGE ADJ. RANGE	CH1,2: 4.75 ~ 5.5V		CH1,2:12~15V		CH1,2:24~30V		CH1: 4.75 ~ 5.5V			
	VOLTAGE TOLERANCE Note.3	±1.0%	±2.0%	±1.0%	±2.0%	±1.0%	±2.0%	±1.0%	±2.0%		
	LINE REGULATION	±0.5%	±0.5%	±0.5%	±0.5%	±0.3%	±0.5%	±0.5%	±0.5%		
	LOAD REGULATION	±0.5%	±1.0%	±0.5%	±1.0%	±0.3%	±1.0%	±0.5%	±1.0%		
	SETUP, RISE TIME	1600ms, 50ms at full load									
	HOLD TIME (Typ.)	100ms at full load									
INPUT	VOLTAGE RANGE	85 ~ 264VAC 120 ~ 370VDC									
	FREQUENCY RANGE	47 ~ 63Hz									
	EFFICIENCY(Typ.)	66%		70%		72%		68%			
	AC CURRENT (Typ.)	1A/115VAC 0.6A/230VAC									
	INRUSH CURRENT (Typ.)	COLD START 22A/115VAC 45A/230VAC									
	LEAKAGE CURRENT	<3.5mA / 240VAC									
PROTECTION	OVER LOAD	105 ~ 150%/115VAC rated output power									
	OVER LOAD	Protection type: Hiccup mode, recovers automatically after fault condition is removed									
		5V: 6.4 ~ 7.5V 13.5V:17 ~ 21V 27V:32 ~ 40V 5V:6.4 ~ 7.5V				V					
	OVER VOLTAGE	Protection type: Hiccup mode, recovers automatically after fault condition is removed									
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)on +5V output									
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes									
	SAFETY STANDARDS	Design refer to UL1012									
SAFETY &	WITHSTAND VOLTAGE	I/P-O/P:1.5KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC									
EMC	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms/500VDC									
	EMI CONDUCTION & RADIATION	Design refer to FCC Part15									
	MTBF	312.2K hrs min. MIL-HDBK-217F (25°C)									
OTHERS	DIMENSION	159*97*38mm (L*W*H)									
	PACKING	0.54Kg; 24pcs/13.8Kg/0.75CUFT									
NOTE	1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C 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.										

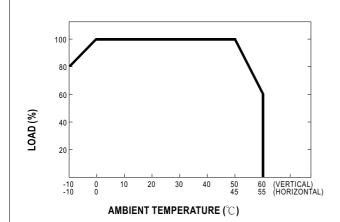




Terminal Pin No. Assignment

Pin No.	Assignment	Pin No.	Assignment		
1	AC/L	5	DC OUTPUT +V2		
2	AC/N	6	DC OUTPUT G1		
3	FG ≟	7	DC OUTPUT +V1		
4	DC OUTPUT G2				

■ Derating Curve



■ Static Characteristics(B)

