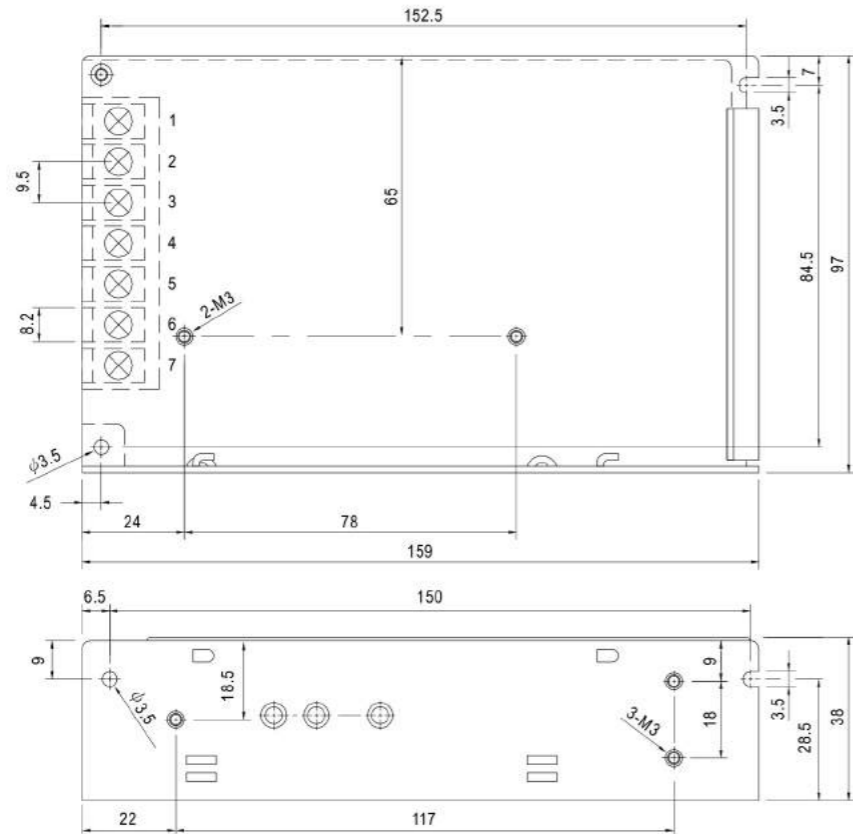


60W Dual Output Switching Power Supply

■ Mechanical Specification

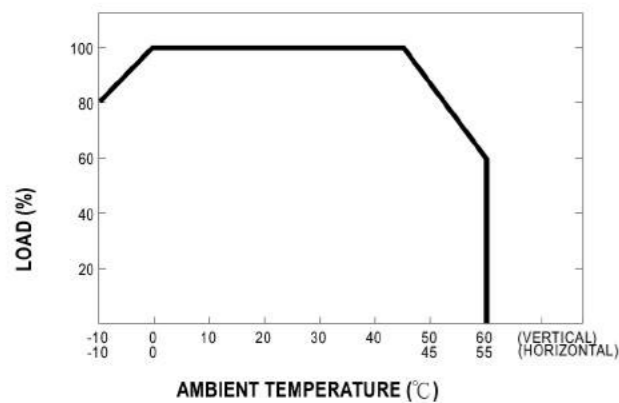
Case No. 901 Unit:mm



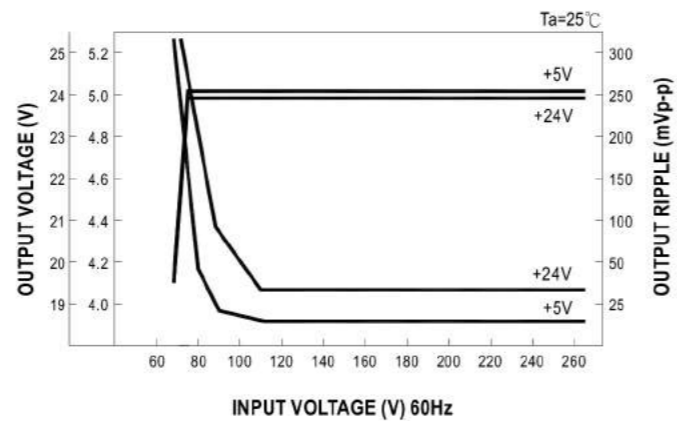
Terminal Pin. No Assignment

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

■ Output Derating



■ Static Characteristics (B)



60W Dual Output Switching Power Supply



■ Features :

- Universal AC input/Full range
- Protections:Short circuit/Over load/Over voltage
- Cooling by free air convection
- LED indicator for power on
- Fixed switching frequency at 54KHz



SPECIFICATION

MODEL	D-60A	D-60B	
OUTPUT	DC VOLTAGE	5V	12V
	RATED CURRENT	4A	3A
	CURRENT RANGE	0.3 ~ 6A	0.2 ~ 3A
	RATED POWER	56W	58W
	RIPPLE & NOISE (max.) Note.2	75mVp-p	150mVp-p
	VOLTAGE ADJ. RANGE	CH1 : 4.75 ~ 5.5V	CH1 : 4.75 ~ 5.5V
	VOLTAGE TOLERANCE Note.3	±2.0%	±6.0%
	LINE REGULATION	±0.5%	±1.0%
INPUT	LOAD REGULATION	±0.5%	±4.0%
	SETUP, RISE, HOLD TIME	300ms, 50ms, 80ms / 230VAC	800ms, 50ms, 10ms / 115VAC at full load
	VOLTAGE RANGE	85 ~ 132VAC/170 ~ 264VAC selected by switch	240 ~ 370VDC
	FREQUENCY RANGE	47 ~ 63Hz	
	EFFICIENCY(Typ.)	73%	76%
	AC CURRENT	2A/115VAC 1A/230VAC	
	INRUSH CURRENT(max.)	COLD START 30A/115VAC 60A/230VAC	
	LEAKAGE CURRENT	<3.5mA / 240VAC	
PROTECTION	OVER LOAD	105 ~ 150% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed.	
	WORKING TEMP.	-10 ~ +60°C (Refer to output load derating curve)	
ENVIRONMENT	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 & EMC (Note 4)	SAFETY STANDARDS	UL1012, UL60950, TUV EN60950 Approved	
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC 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	Compliance to EN55022 (CISPR22) Class B	
	HARMONIC CURRENT	Compliance to EN61000-3-2,-3	
OTHERS	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, EN55024, Light industry level, criteria A	
	MTBF	301.2K hrs min. MIL-HDBK-217F (25°C)	
	DIMENSION	159*97*38mm (L*W*H)	
NOTE	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. 4. 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.	