

### 50W Dual Output Switching Power Supply



ED-50...

#### Feature

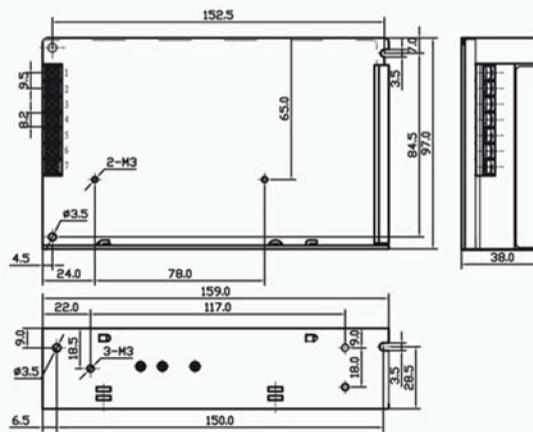
- High efficiency, high reliability, low cost
- AC input range selected by switch
- Protections: Short circuit / Over load
- LED indicator for power on
- Fixed switching frequency at 23KHz
- Cooling by free air convection
- 1 year warranty
- Dimensions: 129\*98\*38mm (L\*W\*H)

#### Notes:

- 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 0.1µf & 47µf parallel capacitor.
- Tolerance: includes set up tolerance, line regulation and load regulation

Model		ED-50A		ED-50B	
		CH1	CH2	CH1	CH2
Output	DC Voltage	5V	12V	5V	24V
	Voltage Tolerance	±2%	+5.-8%	±2%	±8%
	Rated Current	6A	2A	6A	1A
	Current Range	1-6A	0.3-2A	1-6A	0.2-1A
	Rated Power	54W		54W	
	Ripple & Noise	50mVp-p	100 mVp-p	50mVp-p	100 mVp-p
	DC Voltage adi. Range	CH1:-5%,+10%			
	Setup,Rise,Hold Time	200ms,50ms,20ms at full load			
Input	Voltage Range	85-132 VAC/170-264VAC selected by switch, 240-370VDC; 47-63 Hz			
	AC Current	1.3A/115 V 0.65A/ 230 V			
	Efficiency	73%		73%	
	Inrush Current	Cold start 18A/115V 36A/230V			
	Leakage Current	<0.5mA/240VAC			
Protection	Over Load	105%~150%			
		Protection type: Shutdown o/p voltage, recovers automatically after fault condition is removed			
Environment	Working Temp., Humidity	-10°C~+60°C; 20%~90 %RH			
	Storage Temp., Humidity	-20°C~+85°C; 10%~95 %RH			
	Vibration	10-500Hz, 2G 10min./1cycl, period for 60 min, each along X,Y, Z, axes			
Safety	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 /500VDC			
Standards	Safety Standard	Design refer to UL1012			
	EMC Standard	Design refer to FCC Part 15 J Conduction			
Others	Weight	0.53Kg			
	Packing	30pcs/16Kg/0.86CUFT			

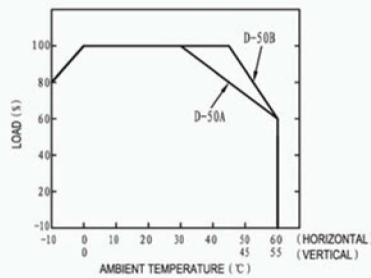
### Outline and dimension



Terminal Pin No. Assignment:

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

### Derating Curve



### Static Characteristics(B)

