

30W Dual Output Switching Power Supply



ED-30A...

Feature

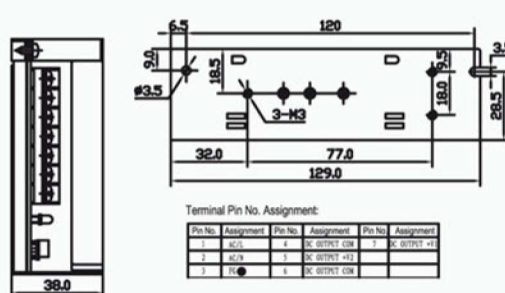
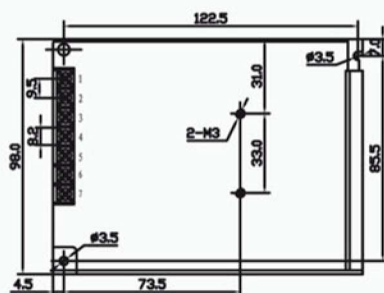
- High efficiency, high reliability, low cost
- AC input range selected by switch
- Protections: Short circuit / Over load
- LED indicator for power on
- Fixed switching frequency at 23KHz
- Cooling by free air convection
- 1 year warranty
- Dimensions: 129*98*38mm (L*W*H)

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-30A		ED-30B	
		CH1	CH2	CH1	CH2
Output	DC Voltage	5V	12V	5V	24V
	Voltage Tolerance	±2%	+3..7%	±2%	+3..5%
	Rated Current	4A	1A	2.2A	1A
	Current Range	0.5-4A	0.1-1A	0.5-4A	0.1-1A
	Rated Power	32W		35W	
	Ripple & Noise	50mVp-p	100 mVp-p	50mVp-p	100 mVp-p
	DC Voltage adi. Range	CH1:-5%,+10%		CH1:-5%,+10%	
	Setup,Rise,Hold Time	200ms,50ms,30ms at full load			
Input	Voltage Range	85-132 VAC/ 170-264VAC selected by switch, 240-370VDC;47-63 Hz			
	AC Current	0.8 A/115 V 0.45A/ 230 V			
	Efficiency	72%		74%	
	Inrush Current	Cold start 18A/115V 36A/230V			
	Leakage Current	<1mA/240VAC			
Protection	Over Load	105%~150%			
		Protection type: Shutdown o/p voltage, recovers automaticallyafter fault condition is removed			
Environment	Working Temp., Humidity	-10℃~+60℃; 20%~90 %RH			
	Storage Temp., Humidity	-20℃~+85℃; 10%~95 %RH			
	Vibration	10-500H, 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 Part15 J Conduction Class A			
Others	Weight	0.41Kg			
	Packing	45pcs/18.5Ka/1.22CUFT			

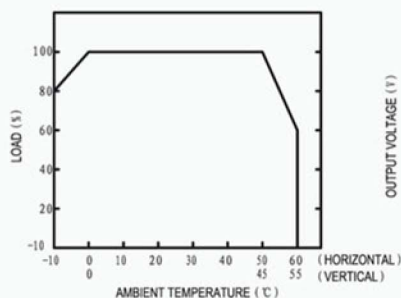
Outline and dimension



Terminal Pin No. Assignment:

Pin No.	Assignment	Pin No.	Assignment	Pin No.	Assignment
1	AC IN	4	DC OUTPUT -	5	DC OUTPUT +
2	AC IN	6	DC OUTPUT -		
3	DC IN				

Derating Curve



Static Characteristics(24V)

