

15W Single Output Switching Power Supply



Features:

- High efficiency, high reliability, low cost
- AC input range selected by switch
- Protections: Short circuit/Over load
- Fixed switching frequency at 37KHz
- 100% full load burn-in test
- Cooling by free air convection
- 1 year warranty
- Dimension: 99×97×36mm (L×W×H)

Technical Parameter

Model		S-15-5	S-15-12	S-15-24
Output	DC Voltage	5V	12V	24V
	Voltage Tolerance	±2%	±1%	±1%
	Rated Current	3A	1.3A	0.7A
	Current Range	0-3A	0-1.3A	0-0.7A
	Rated Power	15W	15.6W	16.8W
	Ripple & Noise	50mVp-p	50mVp-p	100mVp-p
	DC Voltage Adj. Range	+10,-5%	±10%	±10%
	Setup, Rise, Hold time	200ms,100ms,30ms at full load		
Input	Voltage Range	85 ~ 132 VAC / 170 ~ 264 VAC selected by switch, 240 ~ 370VDC; 47 ~ 63 Hz		
	AC Current	0.5 A/115 V 0.25A/ 230 V		
	Efficiency	65%	68%	72%
	Inrush Current	Cold start 15A/115VAC 30A/230VAC		
	Leakage Current	< 0.5 mA/240VAC		
Protection	Over Load	110% ~ 160%		
		Protection type: Fold back current limiting ,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./1cycle, period for 60min, 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: 100MΩ/500VDC		
Standards	Safety Standards	Design refer to UL1012		
	EMC Standards	Design refer to FCC Part 15J Conduction Class B		
Others	Weight	0.31Kg		
	Packing	45pcs/15Kg/0.86CUFT		

Outline and Installation Dimension

Terminal Pin No. Assignment

Pin No.	Assignment	Pin No.	Assignment
1	DC OUTPUT +V	3	FG
2	DC OUTPUT -V	4, 5	AC INPUT

Derating Curve

Static Characteristics(24V)