

# 15W Series single output switching power supply

# S-15 Series



Dimension: 99 × 97 × 36mm

### Features:

- Universal AC input/ full range
- Small volume, low weight, high efficiency
- Protections : short circuit/over load
- LED indicator for power on
- 100% full load burn-in test
- 1 Year warranty

### SPECIFICATION

Model		S-15-5	S-15-12	S-15-15	S-15-24
Output	DC voltage	5V	12V	15V	24V
	Voltage tolerance	± 1%	± 1%	± 1%	± 1%
	Rated current	3A	1.3A	1 A	0.7A
	Current range	0 ~ 3A	0 ~ 1.3A	0 ~ 1A	0 ~ 0.7A
	Rated power	15W	15.6W	15W	16.8W
	Ripple&noise	80mVp-p	100mVp-p	100mVp-p	120mVp-p
	DC voltage ADJ. range	± 10%	± 10%	± 10%	± 10%
	Setup, rise, hold up time	200ms,100ms,30ms/230VAC.			
Input	Voltage range	100 ~ 240VAC, 47 ~ 63Hz, 255 ~ 373VDC			
	AC current	0.5A/115V 0.25A/230VAC			
	Efficiency	76%	78%	80%	82%
	Inrush current	Cold start 15A/115V 30A/230VAC			
	leakage current	< 3.5mA/240VAC			
Protection	Overload	Rated output power 115% ~ 150% Start overload protection			
		Protection type : part layer type current limit , auto-recovery after fault condition is removed			
Environment	Working temp, humidity	-10°C ~ +60°C; 20% ~ 90%RH (Please refer to "derating curve" )			
	Storage temp, humidity	-20°C ~ +85°C; 10% ~ 95%RH Non-condensing			
	Withstand vibration	10 ~ 500Hz, 2G 10min./1Cycle, Period for 60min, Each 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 Ohms/500VDC			
Fit standard	Safety standard	Fit UL1012			
	EMC Standard	Fit EN55022, CLASSA			
Others	Dimension	0.3kg 99*97*36mm ( L*W*H )			
	Weight	0.3kg/60pcs/19kg//1.20CUFT			

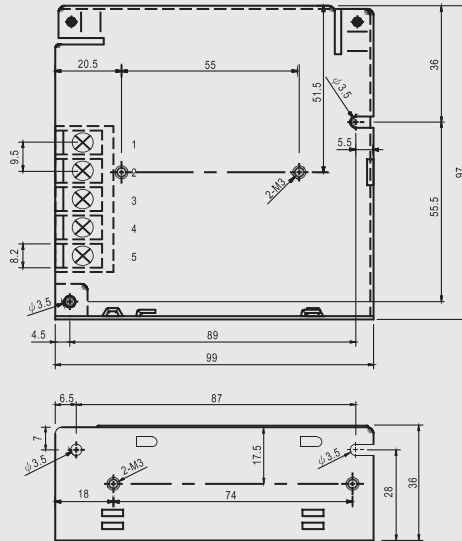
Note: 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.  
 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.  
 3. Tolerance : includes set up tolerance, line regulation and load regulation.

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## Mechanical specification

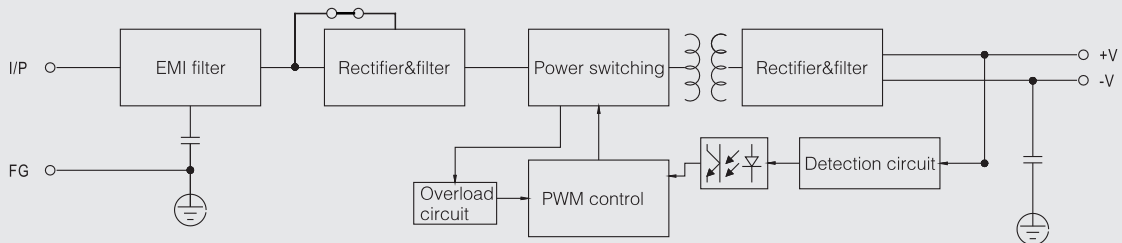
Unit:mm



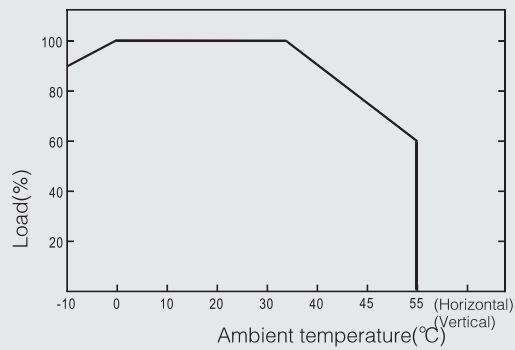
Terminal Pin No.Assignment

Pin No.	Assignment	Pin No.	Assignment
5	AC/N	2	DC OUTPUT -V
4	AC/L	1	DC OUTPUT +V
3	FG $\perp$		

## Block diagram



## Derating curve



## Static characteristic

