

MYNOX-025P series

25W switching power supply



Features

- Universal AC input range.
- Small volume, low weight, high efficiency.
- Protections: short circuit / over load.
- Cooling by free air convection.
- LED indicator for power on.
- 100% full load burn-in test.
- Dimension: 84 x 58 x 30mm
- 2 years warranty.



Specification

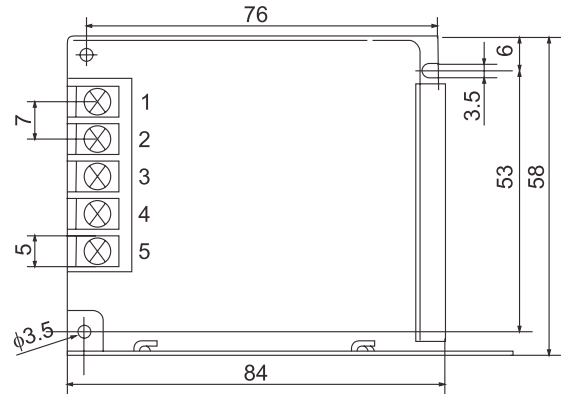
Model		MYNOX-025P5	MYNOX-025P12	MYNOX-025P15	MYNOX-025P24
Output	DC Voltage	5V	12V	15V	24V
	Voltage tolerance	±1%	±1%	±1%	±1%
	Rated current	5A	2.1A	1.7A	1.1A
	Current range	0 ~ 5A	0 ~ 2.1A	0 ~ 1.7A	0 ~ 1.1A
	Rated power	25W	24W	25.5W	26.4W
	Ripple&noise	80mVp-p	100mVp-p	120mVp-p	150mVp-p
	DC voltage ADJ. range	-9%~±10%	-9%~±10%	±10%	±10%
	Setup, rise, hold up time	200ms, 50ms, 20ms/230VAC			
Input	Voltage range	90 ~ 264VAC 47 ~ 63Hz, 135 ~ 373VDC			
	AC current	0.55A/115VAC 0.35A/230VAC			
	Efficiency	78%	81%	82%	83%
	Inrush current	Cold start 30A/230VAC			
	Leakage current	<0.5mA/240VAC			
Protection	Overload	Rated output power 110% ~ 135% Start overload protection			
		Protection type: part layer type current limit, auto-recovery after fault condition is removed			
Environment	Working temp, humidity	-25°C ~ +50°C; 20% ~ 90% RH (Please refer to "derating curve")			
	Storage temp, humidity	-40°C ~ +85°C; 10% ~ 95% RH Non-condensing			
	Withstand vibration	10 ~ 500Hz, 5G 10 min/1 Cycle, 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	Compliance to UL 62368-1, TUV 62368-1, EN 62368-1			
	EMC standard	Compliance to EN55032; CLASSA			
Others	Weight	0.15kg / 100pcs/16Kg/0.87CUFT			
	Dimension	84*58*30mm (L*W*H)			
	MTBF	405K hrs min. MIL-HDBK-217F(25°C)			

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.

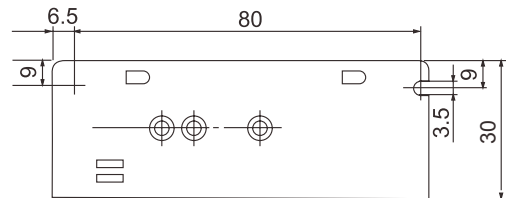
Mechanical specification

Unit mm

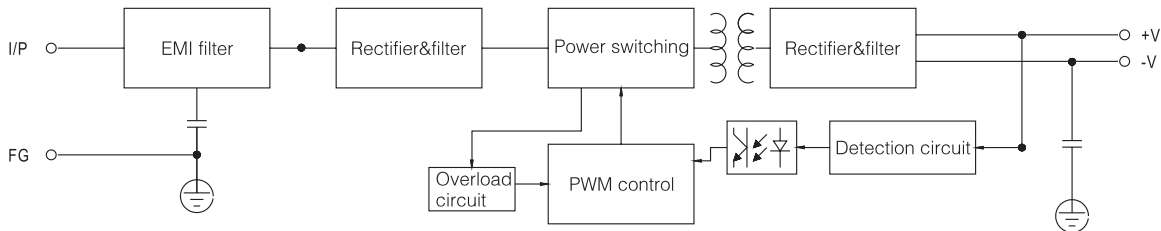


Terminal Pin No. Assignment

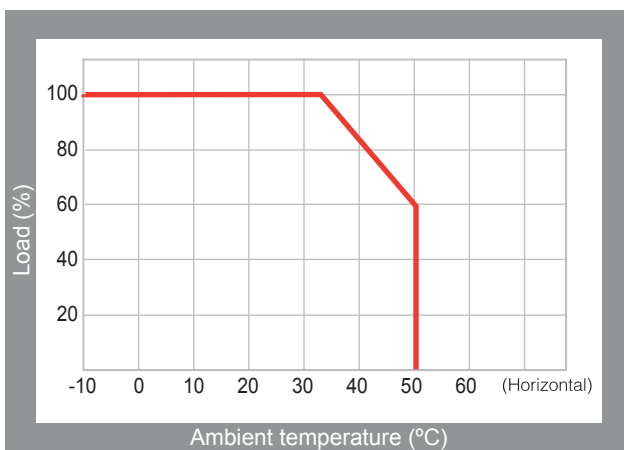
Pin No	Assignment	Pin No	Assignment
1	AC/L	4	DC OUTPUT -V
2	AC/N	5	DC OUTPUT +V
3	FG $\perp$		



Block diagram



Derating curve



Static characteristics

