

S-25 Series - 25W Single Output Switching Power Supply

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Features

- High efficiency, low working temp.
- Built in EMI filter, low ripple noise
- 100% full load burn-in test
- Short circuit/ over load/ over voltage protected
- Universal AC input/ full range
- Approvals: UL/ TUV/ CE

Standards



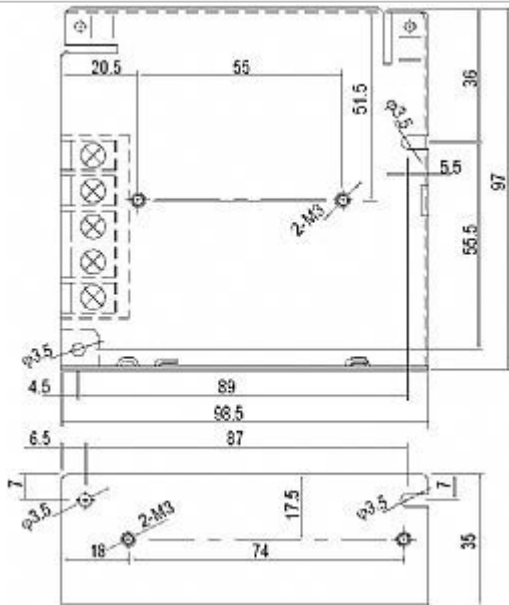
Specification

Input voltage	85~264VAC universal input
Input frequency	47-63Hz
Inrush current	Cold start,15A/ 115V,30A/ 230V
Output voltage	Refer to below table (?10% ADJ.)
Overload protection	105%~150% output pulsing mode
Over voltage protection	115%~135% of output voltage
Setup, rise, hold up time	800ms, 50ms, 10ms/ 115VAC?@ 300ms, 50ms, 80ms/ 230VAC
Withstand voltage	I/P-O/P:3KV, I/P-FG:1.5KV, 1min.
Working temp	? ? 0-50 C@100%, -10 C@80%, ? 60 C@60%
Safety standards	UL 1012, TUV EN60950
EMC standards	(EN55022),IEC801-2,3,4, IEC555-2
Connection	5P/ 9.5mm pitch terminal block

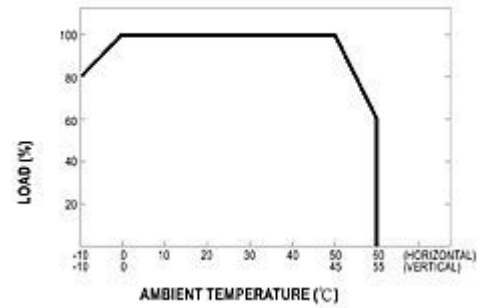
Items

S-25 Series

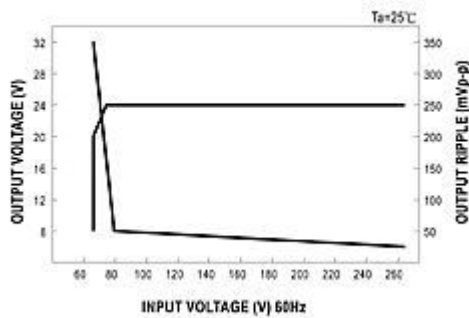
Model	S-25-5	S-25-12	S-25-15	S-25-24
DC Voltage	5V	12V	15V	24V
Rated Current	5A	2.1A	1.7A	1.1A
Current Range	0-5A	0-2.1A	0-1.7A	0-1.1A
Rated Power	25W	25.2W	25.5W	26.4W
Ripple & Noise	50mVp-p	100mVp-p	100mVp-p	100mVp-p
Voltage ADJ Range	4.75-5.5V	10.8-13.2V	13.5-16.5V	21.6-26.4V
Voltage Tolerance	±2.0%	±1.0%	±1.0%	±1.0%
Line Regulation	±0.5%	±0.5%	±0.5%	±0.5%
Load Regulation	±1.0%	±0.5%	±0.5%	±0.5%
Efficiency	72% / 115VAC	76% / 115VAC	77% / 115VAC	80% / 115VAC
Over Voltage	5.75V - 6.75V	13.8V - 16.2V	17.25V - 20.25V	27.6V - 32.4V



■ Derating Curve



■ Static Characteristics (24V)



Related Documents

- [Engineering Test Report \(43KB\)](#)
- [S-25 Mechanical Diagram \(549KB\)](#)