25 Watt, SD Series, Fully Enclosed DC-DC Converter

ALL PSU LTD
Electronic Power Solutions

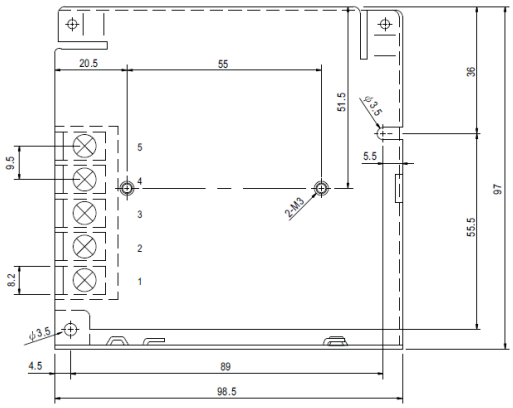
- **DC Inputs From 9.2 to 72 V**
- **Isolated Output**
- **Low Ripple, Built In Filter**
- **Protections, Short Circuit, Over Load, Over Voltage**
- **High Reliability**
- **Adjustable Output**
- **Conformal Coating Option**
- **CE Marked**
- **DIN Rail Mounting Option**

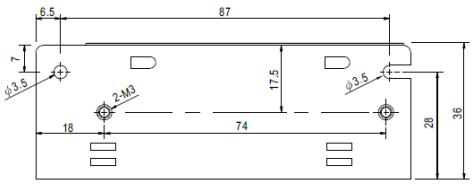
Specification

Input Voltage	See table below (inputs from 9.2~72 VDC)
Output Voltage	See table below (plus adjustment range)
Line Regulation	+/-0.5% (5V O/P), +/-3% (12V O/P), +/-2% (24V O/P)
Load Regulation	+/-0.5% (5V O/P), +/-3% (12V O/P), +/-2% (24V O/P)
Over Load Protection	105~150% pulsing mode, auto-recovery
Over Voltage Protection	115~165% of nominal output voltage, auto recovery
Withstand Voltage	1.5 kVAC I/P~O/P
Working Temperature	-10~+60 °C (100% load to 40/50°C depending on model)
Safety Standards	Meets LVD requirements
EMC Standards	EN55022 class B, EN61000-4-2,3,4,6,8 ENV50204, EN55024 heavy industrial level, criteria A

Model	Input Voltage (VDC)	Output Volts / Amps	Output Adjustment	Ripple & Noise	Efficiency
SD-25A-5	9.2~18	5 V / 5.0 A	4.5~5.5 V	100 mV	71%
SD-25A-12	9.2~18	12 V / 2.1 A	11~16 V	120 mV	72%
SD-25A-24	9.2~18	24 V / 1.1 A	23~30 V	150 mV	75%
SD-25B-5	19~36	5 V / 5.0 A	4.5~5.5 V	100 mV	72%
SD-25B-12	19~36	12 V / 2.1 A	11~16 V	120 mV	75%
SD-25B-24	19~36	24 V / 1.1 A	23~30 V	150 mV	78%
SD-25C-5	36~72	5 V / 5.0 A	4.5~5.5 V	100 mV	74%
SD-25C-12	36~72	12 V / 2.1 A	11~16 V	120 mV	78%
SD-25C-24	36~72	24 V / 1.1 A	23~30 V	150 mV	81%

Mechanical Details





Connection Detail	
Terminal	**Function**
1	- DC Input
2	+ DC Input
3	Input Earth
4	+ DC Out
5	- DC Out

Specifications may change without notice, E&OE. ALL PSU Terms & Conditions apply.

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