

MEAN WELL SUS01 Series 1W DC-DC Unregulated Single Output Converter Owner's Manual

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1W DC-DC Unregulated Single Output Converter
SUS01 series



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Features:

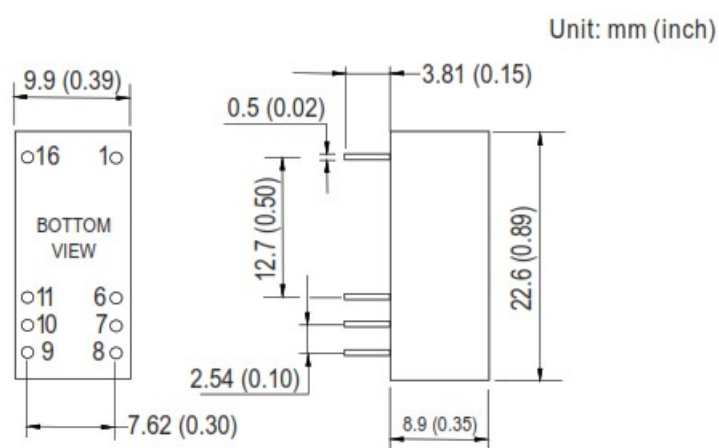
- 1000VDC I/O isolation
- Internal SMD technology
- Built-in EMI filter
- Cooling by free air convection
- Non-conductive plastic case
- Dual in line package
- 100% burn-in test
- Low cost / High reliability
- Approvals: FCC /EAC/CE/UKCA
- 2 years warranty

SELECTION GUIDE

ORDER NO.		SUSO1L-05	SUSO1M-05	SUSO1N-05	SUSO10-05	SUSO1L-09	SUSO1M-09	SUSO1N-09	SUSO10-09
	DC OUTPUT VOLTAGE	5V				9V			
	OUTPUT CURRENT RANGE	0 – 200mA				0 – 111mA			
	EFFICIENCY	73%	74%	72%	74%	75%	79%	80%	77%

ENVIRONMENT	WORKING HUMIDITY	20% – 90% RH non-condensing
	STORAGE TEMP. , HUMIDITY	-25 – +105 c , 10 – 95% RH
	TEMP. COEFFICIENT	±0.03% / t (0 – 50°C)
	VIBRATION	10 – 500Hz, 2G 10min./1 cycle, period for 60min. each along X, Y, Z axes
SAFETY & EMC	SAFETY STANDARDS	EAC TP TC 020/2011 approved
	WITHSTAND VOLTAGE	1113-0/P:1.5KVOC
	ISOLATION RESISTANCE	IIP-0/P: 100M Ohms / 500VDC/ 25°C/ 70% RH
	ISOLATION CAPACITANCE	80pF max.
	EMC EMISSION	Compliance to BS EN/EN55032 Class B, FCC part 15 Class B, EAC TP TC 020
	EMC IMMUNITY	Compliance to BS EN/EN61000-4-2,3,4,5,6,8, light industry level, criteria A, EAC TP TC 020
OTHERS	MTBF	700khrs min. MIL-HDBK-217F(25°C)
	DIMENSION	22.6'9.91.9mm or 0.89'1'0.39'1'0.35' inch (L'W'H)
	WEIGHT	3.1g

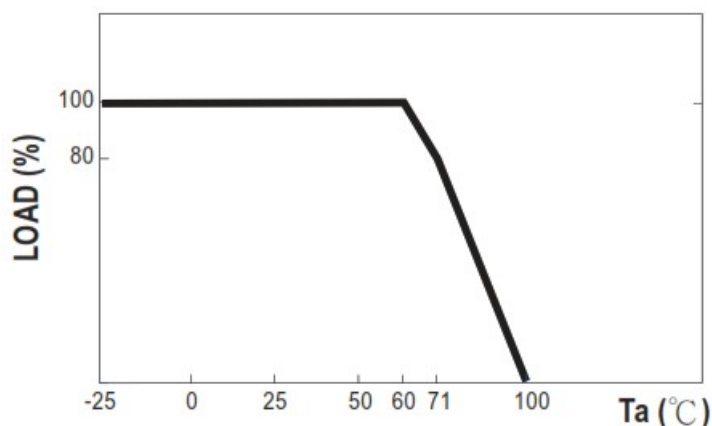
Mechanical Specification



Pin Configuration

Pin No.	Output
1 & 16	+Vin
6 & 11	-Vout
7 & 10	+Vout
8 & 9	-Vin

Derating Curve



NOTE

1. All parameters are specified at normal input, rated load, 25°C 70% RH ambient.
2. Ripple & noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1uf & 47uf capacitor.
3. Line regulation is measured from low line to high line at rated load.
4. Load regulation is measured from 20% to 100% rated load.

Product Liability Disclaimer : For detailed information, please refer to

<https://www.meanwell.com/serviceDisclaimer.aspx>

File Name: SUS01-SPEC 2022-03-16



Documents / Resources

	MEAN WELL SUS01 Series 1W DC-DC Unregulated Single Output Converter [pdf] Owner's Manual SUS01 Series 1W DC-DC Unregulated Single Output Converter, SUS01 Series, 1W DC-DC Unregulated Single Output Converter, Unregulated Single Output Converter, Single Output Converter, Output Converter, Converter
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References

-  [Product Liability Disclaimer-MEAN WELL Switching Power Supply Manufacturer](#)

Manuals+.