

S05S24-1W



Description

Fixed Voltage Input Isolation Unregulated Output DC DC Module Converter

Output Characteristics:

1. Load efficiency: $\pm 3\%$, 10%-100% load
2. Forbidden long term non-load operation
3. Short time (1 s) short circuit, overload, over temperature protection, and self-resumption
4. Ripple/noise: 5VDC 50mV Max, 9VDC 60mV Max, 12VDC, 15VDC, 24VDC 100 mV Max
5. Switch Frequency: 50 KHZ - 800 KHZ
6. Non-load voltage: 5VDC, 9VDC, (+0.8 VAC Max), 12 VDC, 15VDC, 24VDC (+ 1.5VDC Max)

General Characteristics:

1. Source effects: input voltage from low to high
2. Temperature coefficient: $\leq \pm 0.03\%$ °C
3. Storage temperature: $-45^{\circ}\text{C} \sim +125^{\circ}\text{C}$
4. Shell: high inflaming retarding plastic (UL94-V0)
5. Cooling method: natural cooling without increasing the radiator
6. Mean time between failure (MTBF): 2,000,000 h
7. Operating temperature: $-45^{\circ}\text{C} \sim +85^{\circ}\text{C}$
8. Welding pin: $\leq 10\text{S } 300^{\circ}\text{C Max}$
9. Max operating temperature: 85°C , relative temperature: 10%~90%

Instruction:

Single inline package (SIP), any input voltage value can be transferred to any output voltage with the accuracy of $\pm 2\%$ or $\pm 3\%$

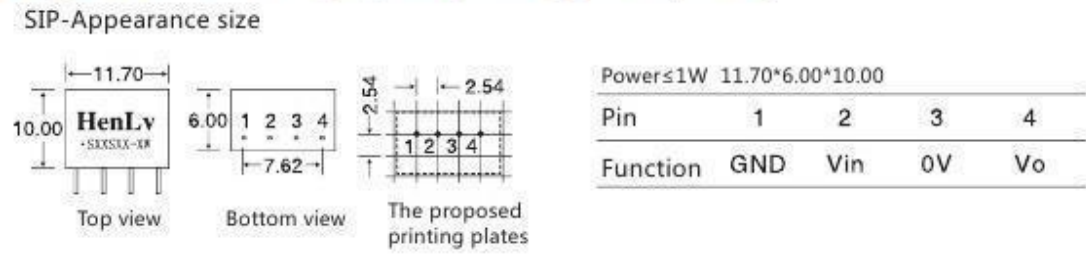
Application:

Communication interface converter (RS232/485), cellular phones, semiconductor lasers, operational amplifier power supply, portable instrument, medical instrument, control devices, etc

Isolation voltage: **1000VDC** 0.5 mA 1Minute

Pin Arrangement:

■ Appearance size, the proposed printing plates, pin way:



Standard Models:

Model No.	Descriptions					
	Input Voltage	Output Voltage (±2%)	Load Current (mA)	Size	Efficiency	Weight (g)
S05S3.3-1W	+5VDC ±5%	3.3VDC	303	11.70*6.00*10.00	≥72%	1.13
S05S05-1W		5VDC	200		≥72%	
S05S09-1W		9VDC	110		≥72%	
S05S12-1W		12VDC	83		≥75%	
S05S15-1W		15VDC	67		≥75%	
S05S24-1W		24VDC	42		≥78%	
S12S3.3-1W	+12VDC ±5%	3.3VDC	303		≥72%	
S12S05-1W		5VDC	200		≥72%	
S12S09-1W		9VDC	110		≥72%	
S12S12-1W		12VDC	83		≥75%	
S12S15-1W		15VDC	67		≥75%	
S12S24-1W		24VDC	42		≥78%	
S24S3.3-1W	+24VDC ±5%	3.3VDC	303		≥72%	
S24S05-1W		5VDC	200		≥72%	
S24S09-1W		9VDC	110		≥72%	
S24S12-1W		12VDC	83		≥75%	
S24S15-1W		15VDC	67		≥75%	
S24S24-1W		24VDC	42		≥78%	