

Features

1WATT SIP PACKAGE

EFFICIENCY TO 78%

100% BURNED IN

UL 94V-0 PACKAGE MATERIAL

CUSTOM SOLUTIONS AVAILABLE

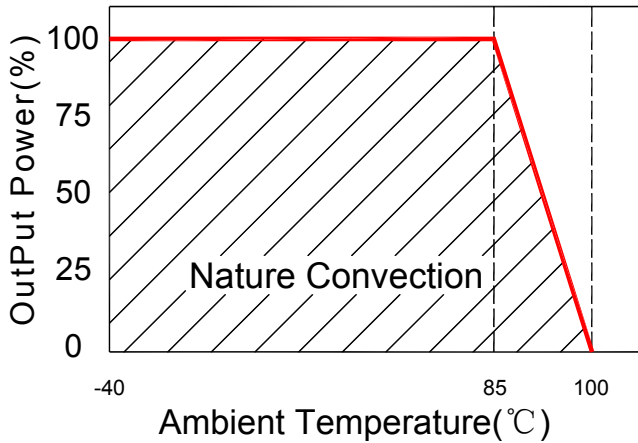
UNREGULATED OUTPUT TYPES

**1 Watt DC/DC
 Converter**

**1 Watt Single O/P
 Isolated DC-DC Converter**

Input Specifications		
Input Voltage	:5Vdc	
Input Voltage Range	:±10%	
Output Specifications		
Output Voltage	:5Vdc	
Output Voltage Accuracy	:±5%	Vout=4.75-5.25Vdc Vin=5Vdc
Output Current	:200mA	
Efficiency	:78% TYP	
Ripple / Noise	:100mVp-p MAX	20MHz Bandwidth
Short Circuit Protection	:Short term	
Line Regulation	:±1.2% TYP	For 1.0% OF Vin
Load Regulation	:±15% MAX	10% to 100% full load
General Specifications		
Operating Temperature Range	:-40°C ~ +85°C	
Storage Temperature	:-40°C ~ +100°C	
Switching Frequency	:100KHz TYP	
Humidity	:95% MAX	
Isolation Voltage	:1000Vdc	Input to Output (2sec/0.5mA)
Isolation Resistance	:1000MΩ MIN	500Vdc
Cooling	:Free air convection	
MTBF	:>3500000 Hours	MIL-HDBK-217F 25°C ,Ground Benign.
Case Material	:DAP	
Weight	:1.5g TYP	

Temperature Derating Graph

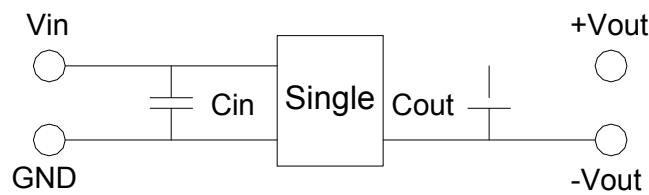


Part Number

AS1 - 05 S 05 A F
 1 2 3 4 5 6

- 1:Series
- 2:Input Voltage
- 3:Single Output
- 4:Output voltage
- 5:Case A 11.50x6.00x10.00
- 6:F - HIGH EFFICIENCY TO 78%

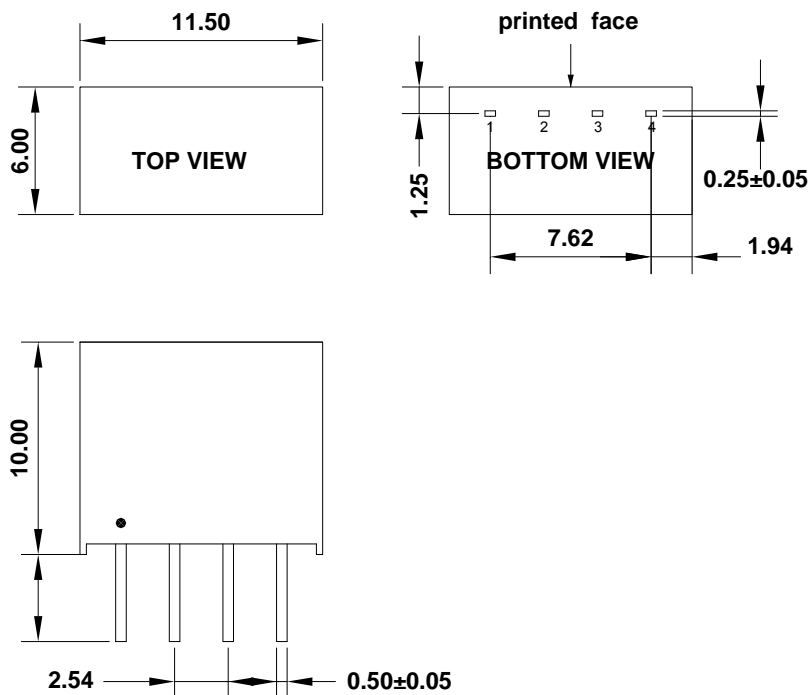
Recommended Test Circuit



5V :Cin 4.7uF,25V 5V :Cout 10uF,25V

To make sure the product work at perfect operation status with full loading external capacitor is necessary and it is recommended to use high frequency low resistance electrolytic capacitor.

Outline Dimensions



UNIT:mm Unless otherwise specified,all tolerances are

±0.25

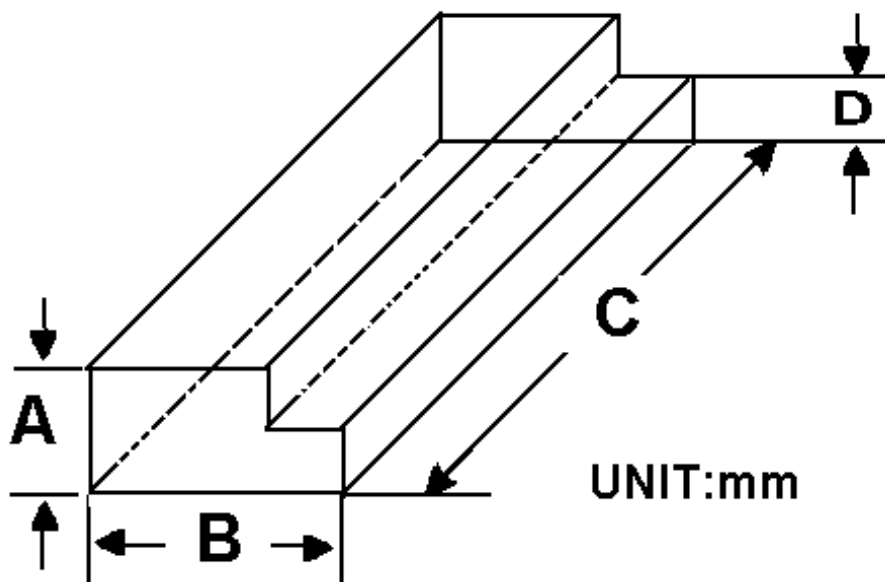
	1	2	3	4
Single	-Vin	+Vin	-Vout	+Vout

Packing Information:

Weight----- 1.5grams/pcs

TUBE-----42pcs

Weight: 83.2g per tube



Size(mm)			
A	B	C	D
9.50	16.50	522	5.00