

# DC-DC AS2N-G6



**2WATT SIP PACKAGE**

**EFFICIENCY TO 70%**

**UNREGULATED OUTPUT TYPES**

AS2N-xxDxxG6

AS2N-xxSxxG6

## Input Specifications

Input Voltage :5Vdc

Input Voltage Range :±5%

## Output Specifications

Output Voltage :5Vdc

Output Voltage Accuracy :±5% Vout=4.75-5.25Vdc@Vin=5Vdc

Output Current :400mA

Efficiency :70% 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 :6000Vdc Input to Output ( 2sec/0.5mA )

Isolation Resistance :1000MΩ MIN 500Vdc

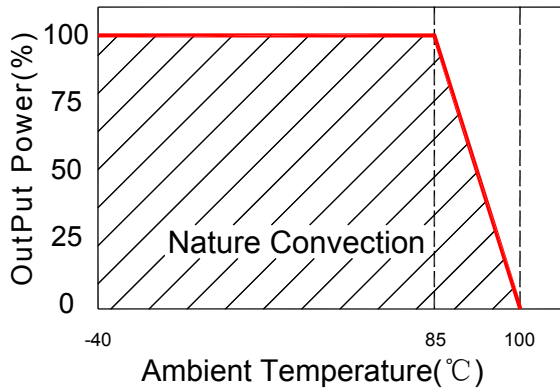
Cooling :Free air convection

MTBF :>3500000 Hours MIL-HDBK-217F 25°C,Ground Benign.

Case Material :DAP

Weight :2.7g TYP

## Temperature Derating Graph



## Part Number

AS2N -05 S 05 G 6

A B C D E F

A:Series

B:Input Voltage

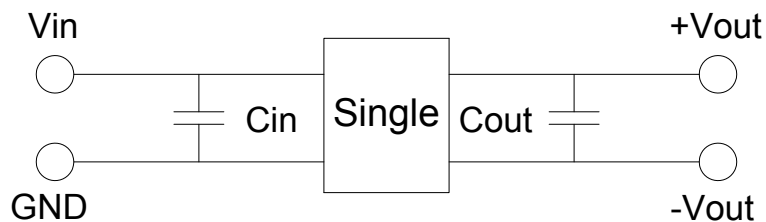
C:Single Output

D:Output Voltage

E:Case

F:Isolation Voltage

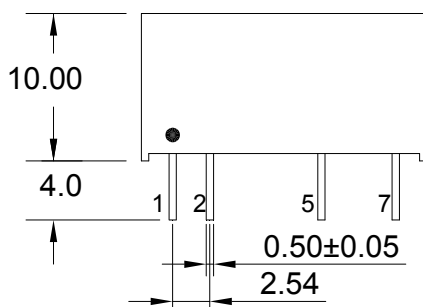
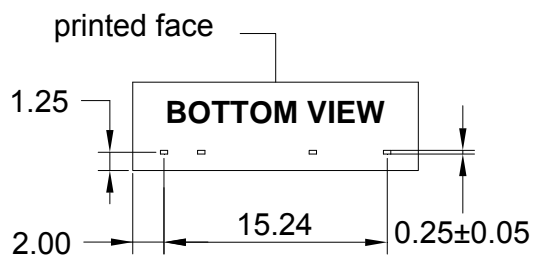
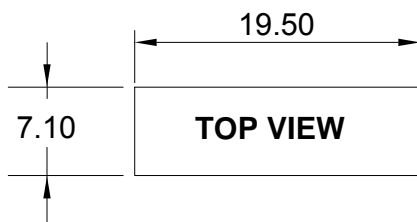
## Recommended Test Circuit



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**

PIN	1	2	5	7
SINGLE	+Vin	-Vin	-Vout	+Vout