

Features

1WATT SIP PACKAGE

EFFICIENCY TO 77%

100% BURNED IN

OUTPUT TYPES

Input Specifications

Input Voltage :24Vdc

Input Voltage Range :± 10%

Output Specifications

Output Voltage :5Vdc

Output Voltage Accuracy :± 5% Vout=4.75-5.25Vdc Vin=24Vdc

Output Current :200mA

Efficiency :77% TYP

Ripple / Noise :60mVp-p TYP, 100mVp-p MAX 20MHz Bandwidth

Short Circuit Protection :Continuous

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 ~ +105°C

Storage Temperature :-55°C ~ +125°C

Switching Frequency :100KHz TYP

Humidity :95% MAX

Isolation Voltage :1500Vdc Input to Output (2sec/0.5mA)

Isolation Resistance :1000MΩ MIN 500Vdc

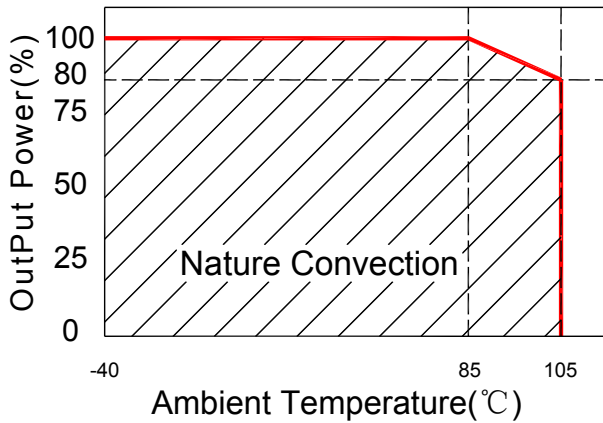
Cooling :Free air convection

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

Case Material :DAP

Weight :2.7g TYP

Temperature Derating Graph



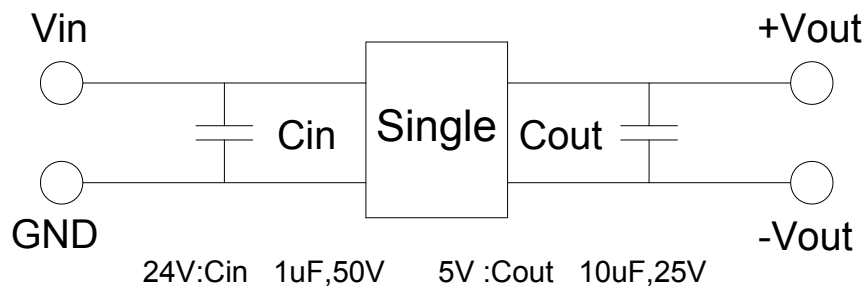
Part Number

AS1 A - 24 S 05 G C

1 2 3 4 5 6 7

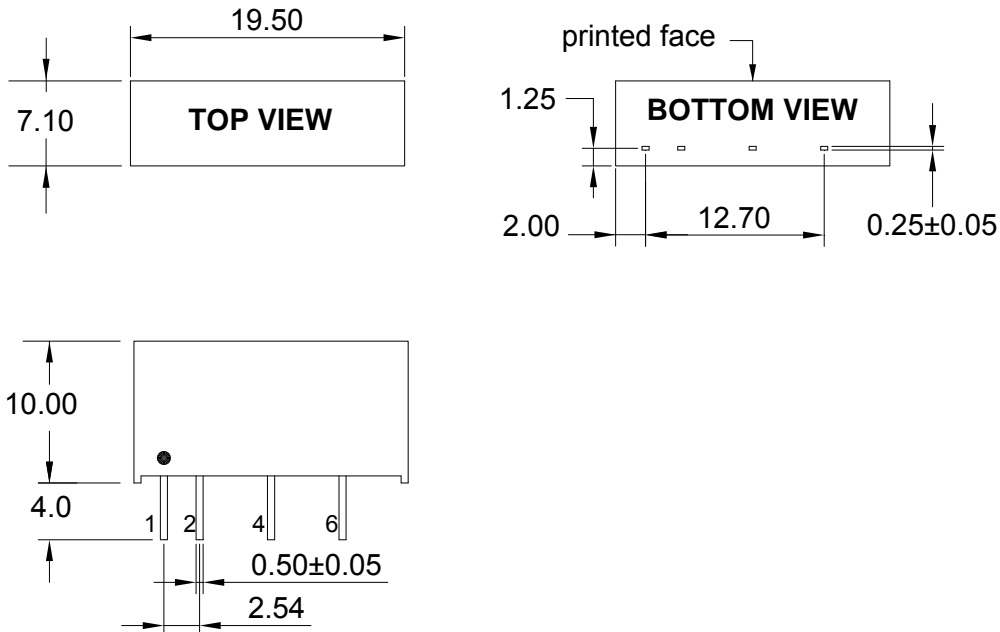
- 1:Series
- 2: Operating Temperature -40/+105
- 3: Input Voltage
- 4:(D) Dual (S) Single Output
- 5.Output voltage
- 6:Case 19.5x7.10x10.0
- 7.Continuous Short Circuit Protection

Recommended Test Circuit



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 | 4 | 6 |
|--------|------|------|-------|-------|
| Single | +Vin | -Vin | -Vout | +Vout |