

1 Watt SIP-7 Type Unregulated DC - DC Converter

FEATURES

- ◆ 1W Unregulated Output Power
- ◆ No Load Input Current as Low as 5mA
- ◆ Continuous Short Circuit Protection
- ◆ Isolation Voltage 1500VDC
- ◆ Operating Temperature range -40 °C To +105 °C

SPECIFICATIONS

Input Voltage Range.....± 10% max.
 Voltage Accuracy.....±5% max.
 Line Regulation¹.....± 1.2% typ.
 Load Regulation².....± 15% max.
 Capacitive Load.....2400uF max.
 Ripple & Noise(20MHzBW)³.....75mVp-p max.
 Switching Frequency.....370KHz typ.
 Short Circuit Protection.....Continuous
 Isolation Voltage (I/P-O/P).....1.5KVDC
 Isolation Resistance.....1000M ohms/500VDC/25 °C/70% RH
 Cooling.....Free air convection
 Operating Temperature.....-40 °C To +105 °C
 Storage Temperature.....-55 °C To +125 °C
 Humidity.....95 °C max.
 MTBF.....> 3500K hours
 Case Material.....DAP
 Case Size.....19.5*6.0*10.0mm
 Weight.....2.1g Typ.

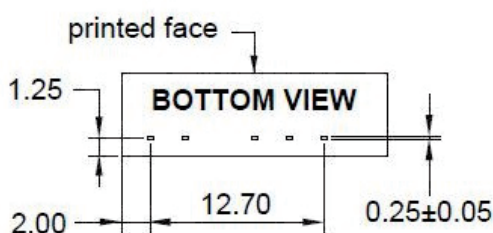
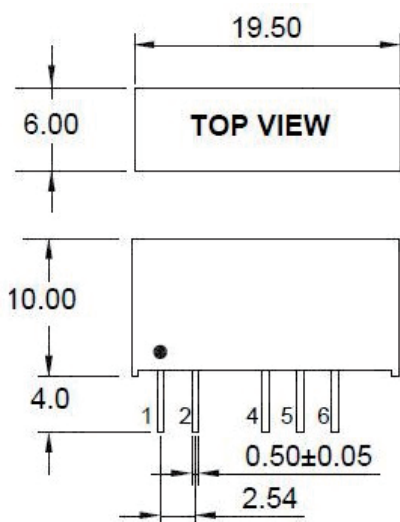
Note:

(1) High line to low line at rated load.

(2) Load Regulation is for output load current change from 10% to 100%.

(3) R & N are measured at 20MHz with 1uF ceramic capacitor connect to the output pins.

MECHANICAL DRAWING [Unit: mm (inches)]



Pin Connection		
Pin#	Single	Dual
1	+Vin	+Vin
2	-Vin	-Vin
4	NP	Common
5	-Vout	-Vout
6	+Vout	+Vout

