

**Features**

- 1WATT SIP PACKAGE
- 2:1 WIDE INPUT VOLTAGES
- EFFICIENCY TO 75%
- 100% BURNED IN
- UL 94V-0 PACKAGE MATERIAL
- CUSTOM SOLUTIONS AVAILABLE
- REGULATED OUTPUT TYPES



**1 Watt DC/DC  
Converter**

WIDE INPUT VOLTAGE RANGE  
1 WATT DC-DC CONVERTER

**Input Specifications**

Input Voltage	:5Vdc
Input Voltage Range	:4.5-9Vdc

**Output Specifications**

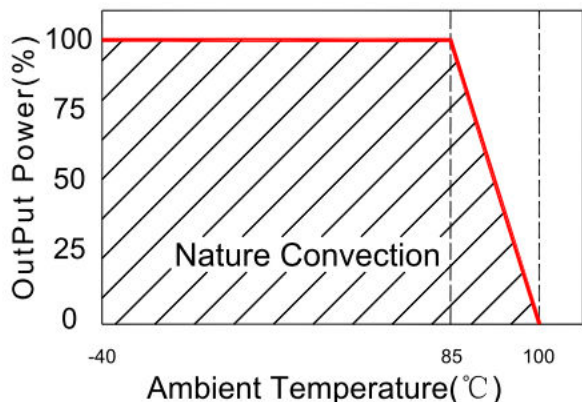
Output Voltage	:24Vdc	
Output Voltage Accuracy	:±3%	@Vout=23.28-24.72Vdc@Vin=4.5-9Vdc
Output Current	:42mA	
Efficiency	:75% TYP	
Ripple / Noise	:240mVp-p MAX	@20MHz Bandwidth
Short Circuit Protection	:Continuous	
Line Regulation	:±0.5% MAX	@ LL to HL at Full Load
Load Regulation	:±1.5% MAX	@0% to 100% 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	:3000Vdc	@Input to Output ( 60sec/0.5mA )
Isolation Resistance	:1000MΩ MIN	@ 500Vdc
Cooling	:Free air convection	
MTBF	:> 1500000 Hours	MIL-HDBK-217F@25°C,Ground Benign.
Case Material	:DAP	
Weight	:2.7g TYP	

Temperature Derating Graph

Part Number

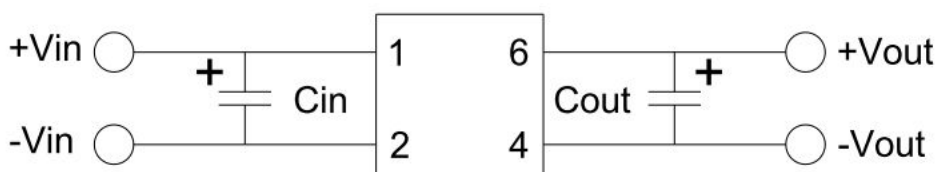


**14DZ - 05 S 24 R**  
**A B C D E**

A:Series  
 B:Input Voltage  
 C:Single Output  
 D:Output Voltage  
 E:Regulated(R)

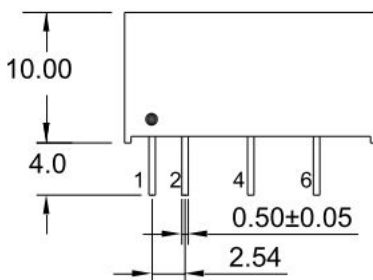
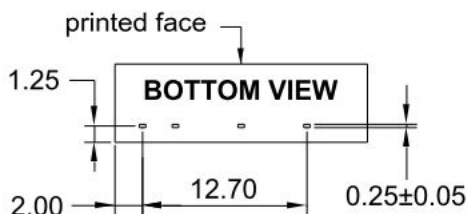
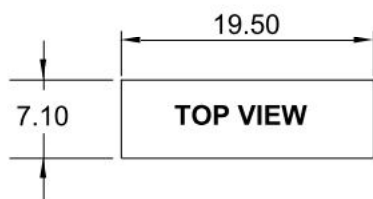
Recommended Test Circuit

Cin: 10uF,25V  
 Cout:100uF,50V



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

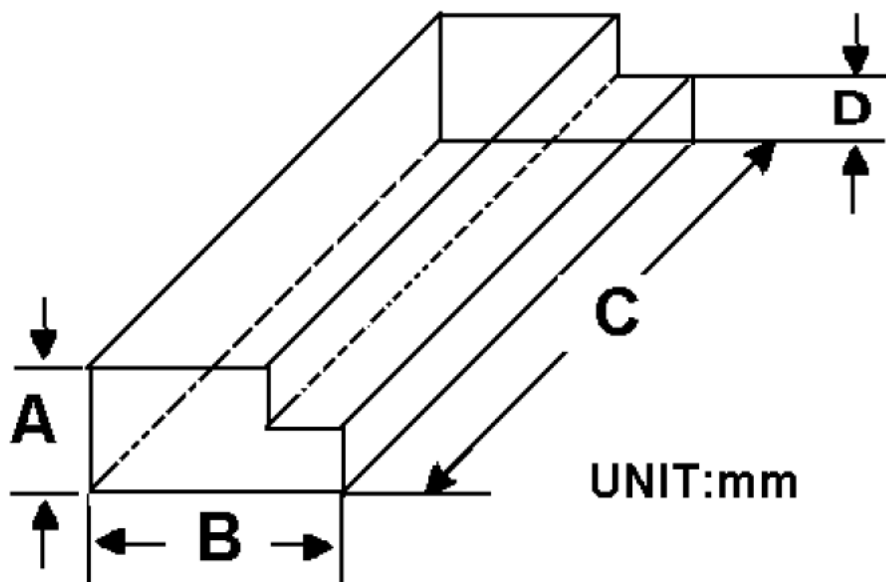
PIN	1	2	4	6
SINGLE	+Vin	-Vin	-Vout	+Vout

### Packing Information:

Weight----- 2.7grams/pcs

TUBE-----25pcs

Weight: 80g per tube



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

Outer carton unit: 2500pcs/100Tube/box

Weight: 8.5kg per carton

