

Features

- 0.5WATT SIP PACKAGE
- EFFICIENCY TO 45%
- 100% BURNED IN
- UL 94V-0 PACKAGE MATERIAL
- CUSTOM SOLUTIONS AVAILABLE
- REGULATED OUTPUT TYPES



**0.5 Watt DC/DC
Converter**

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

Input Specifications

Input Voltage	:5Vdc
Input Voltage Range	:±5%

Output Specifications

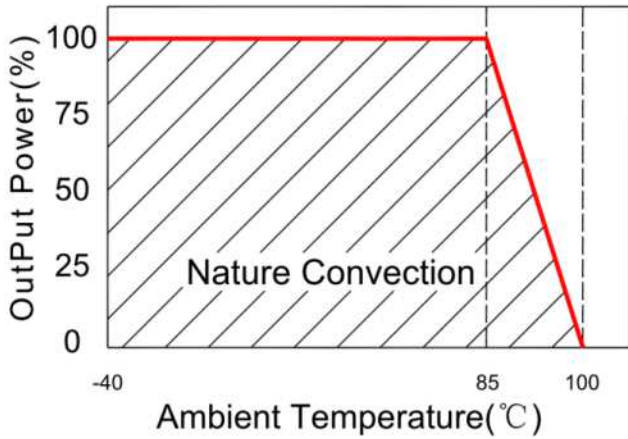
Output Voltage	:5Vdc	
Output Voltage Accuracy	:±5%	@Vout=4.75-5.25Vdc@Vin=5Vdc
Output Current	:100mA	
Efficiency	:45% MIN	
Ripple / Noise	:60mVp-p MAX	@20MHz Bandwidth
Short Circuit Protection	:Continuous	
Line Regulation	:±0.25% TYP	@ LL to HL at Full Load
Load Regulation	:±0.9% TYP, ±1.5% MAX	@10% 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 (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	:2.3g TYP	

Temperature Derating Graph

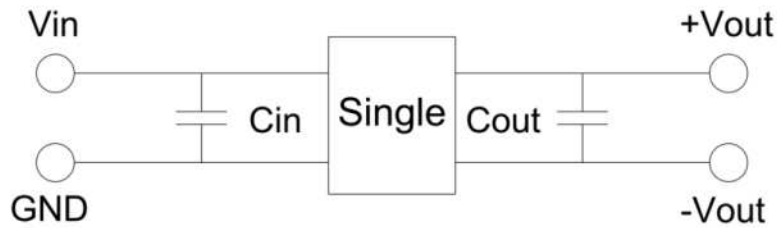
Part Number



15D - 05 S 05 R 3 NL
 A B C D E F G

A:Series
 B:Input Voltage
 C:Single Output
 D:Output Voltage
 E:Regulated(R)
 F:Package
 G:RoHS Version

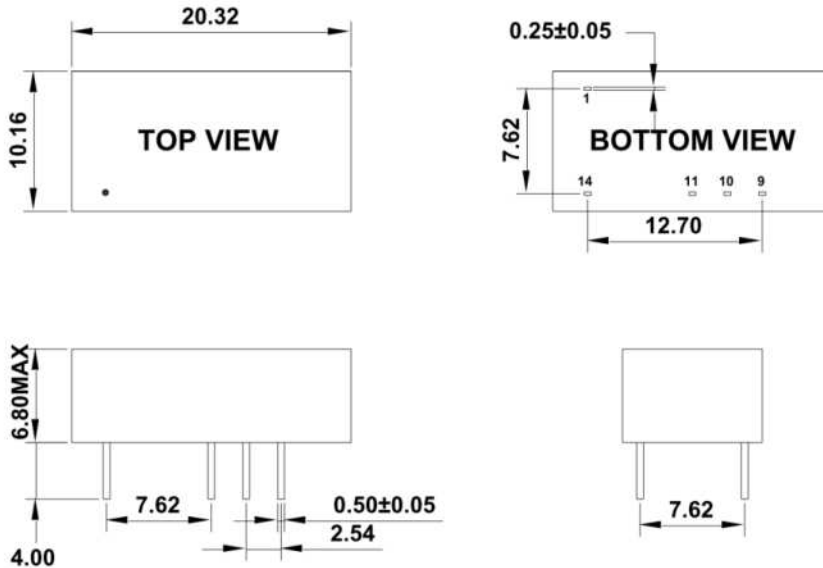
Recommended Test Circuit



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 other specified, all tolerances are ±0.25

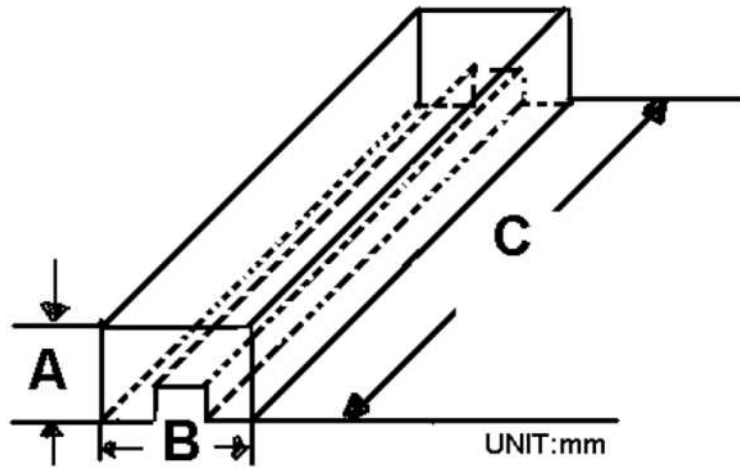
PIN	1	9	10	11	14
SINGLE	-Vin	+Vout	CTRL	-Vout	+Vin

Packing Information:

Weight----- 2.3grams/pcs

TUBE-----25pcs

Weight: 77.5g per tube



Size(mm)		
A	B	C
13.7	13.2	530

Outer carton unit: 2000pcs/80Tube/box

Weight: 7.5kg per carton

