Features

- 2.4WATT SIP PACKAGE
- EFFICIENCY TO 84%
- 100% BURNED IN
- UL 94V-0 PACKAGE MATERIAL
- CUSTOM SOLUTIONS AVAILABLE
- UNREGULATED OUTPUT TYPES

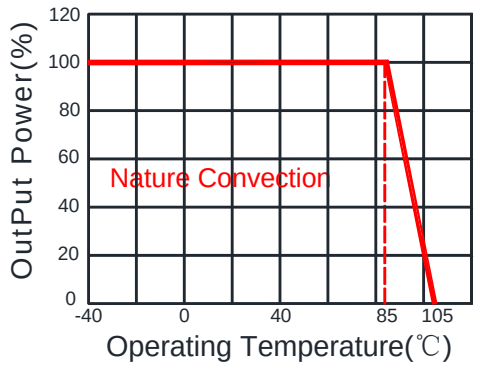
RoHS Compliant

2.4 Watt DC/DC Converter

2.4 Watt Dual O/P
Isolated DC-DC Converter

Input Specifications		
Input Voltage	:15Vdc	
Input Voltage Range	:±10%	
Output Specifications		
Output Voltage V_{O1}	:15Vdc @I_{O1}=100mA	@Vout=14.25-15.75Vdc@Vin=15Vdc
Output Voltage V_{O2}	:-8.4Vdc @I_{O2}=100mA	@Vout=-7.9~-8.9Vdc@Vin=15Vdc
Efficiency	:84% TYP	
Ripple / Noise	:150mVp-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℃ ~ +105℃	
Storage Temperature	:-55℃ ~ +125℃	
Switching Frequency	:100KHz TYP	
Isolation capacitor	:5pF TYP	@100kHz/0.1V
Humidity	:95% MAX	
Isolation Voltage	:5000Vac	@Input to Output (60sec/1.0mA)
Isolation Resistance	:1000MΩ MIN	@ 500Vdc
Cooling	:Free air convection	
MTBF	:>3500000 Hours	MIL-HDBK-217F@25℃,Ground Benign.
Case Material	:DAP	
Weight	:4.0g TYP	

Temperature Derating Graph

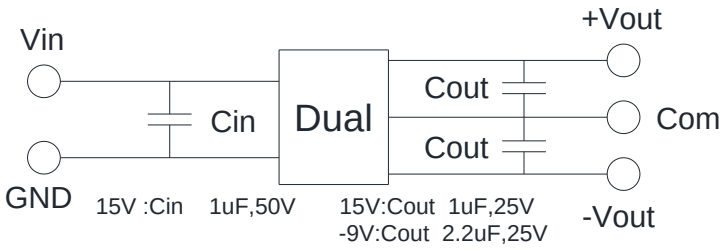


Part Number

12D1B	–	15	D	1509	N	2.4W
A		B	C	D	E	F

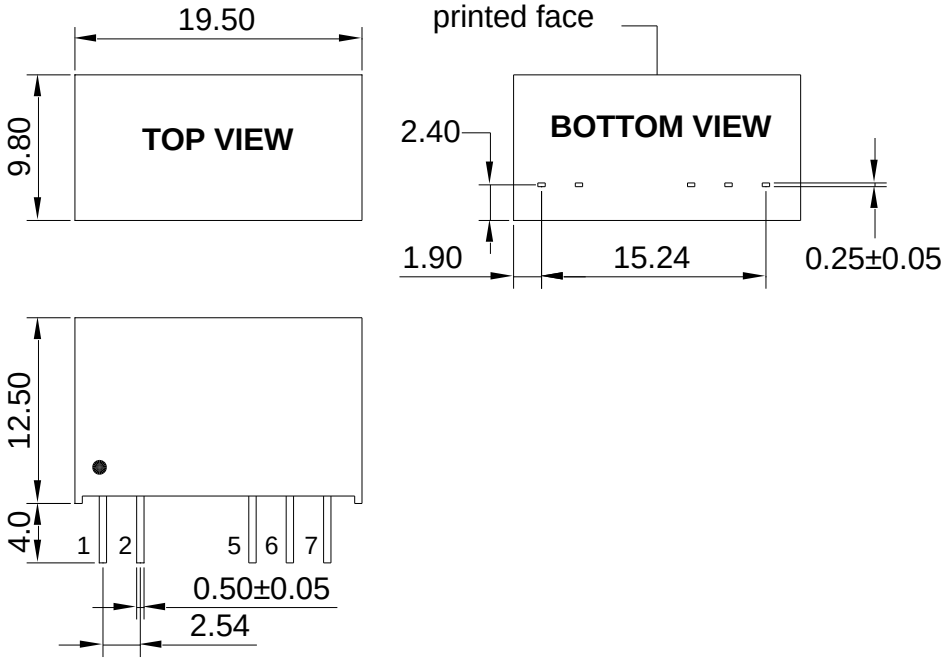
A:Series
B:Input Voltage
C:Dual Output
D:Output Voltage
E:Unregulated(N)
F:Output Power

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

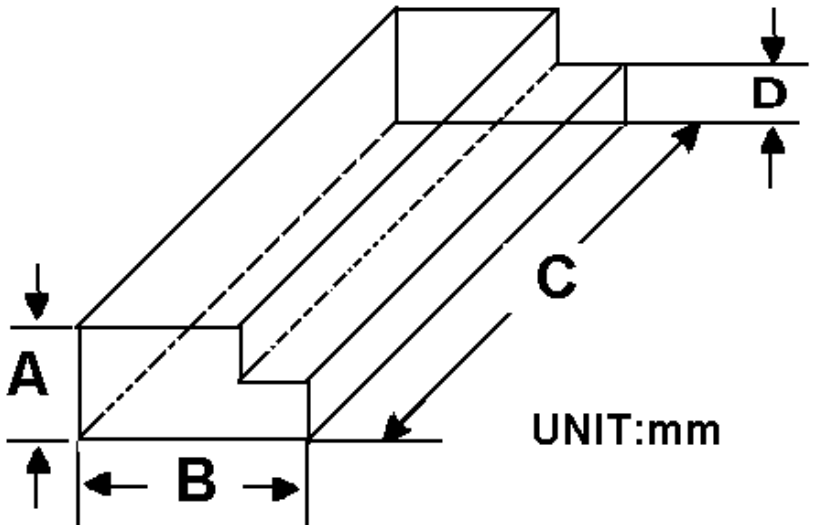
PIN	1	2	5	6	7
DUAL	+Vin	-Vin	-Vout	COM	+Vout

Packing Information:

Weight---------- 4.0grams/pcs

TUBE----------25pcs

Weight: 135.5g per tube



Size(mm)			
A	B	C	D
12.0	28.55	550	6.00

Outer carton unit： 2400pcs/96Tube/box

Weight: 14.0kg per carton

