

Features

- 6WATT DIL PACKAGE
- 4:1 WIDE INPUT VOLTAGES
- EFFICIENCY TO 81%
- 100% BURNED IN
- UL 94V-0 PACKAGE MATERIAL
- CUSTOM SOLUTIONS AVAILABLE
- REGULATED OUTPUT TYPES
- Design refer to EN60601-1, ANSI/AAMI ES60601-1



**6 Watt DC/DC
Converter**

WIDE INPUT VOLTAGE RANGE
6 WATT DC-DC CONVERTER

Input Specifications

Input Voltage	:24Vdc
Input Voltage Range	:9-36Vdc

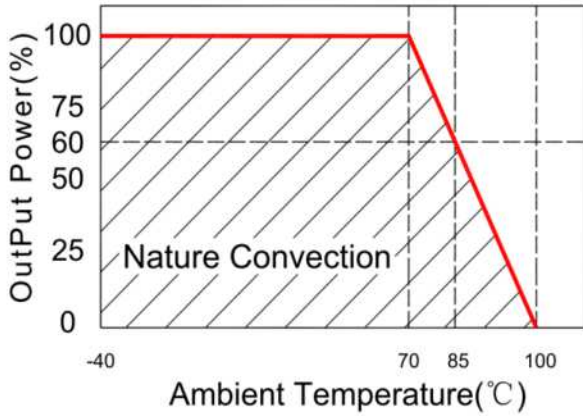
Output Specifications

Output Voltage	:5Vdc	
Output Voltage Accuracy	:±2%	@Vout=4.9-5.1Vdc@Vin=9-36Vdc
Output Current	:1200mA	
Efficiency	:81% TYP	
Ripple / Noise	:100mVp-p MAX	@20MHz Bandwidth
Short Circuit Protection	:Continuous	@Automatics recovery
Line Regulation	:±0.5% MAX	@LL to HL at Full Load
Load Regulation	:±1.0% MAX	@0% to 100%FL
Capacitive Load	:2700μF MAX	

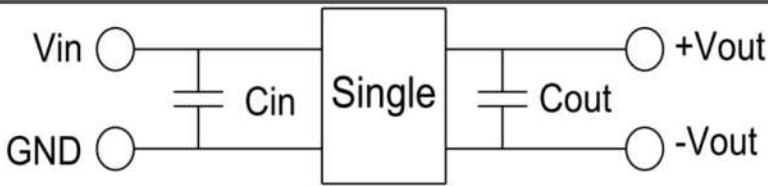
General Specifications

Operating Temperature Range	:-40°C ~ +85°C	
Storage Temperature	:-40°C ~ +100°C	
Switching Frequency	:330KHz TYP	
Isolation Capacitance	:20pF TYP	@100KHz, 0.1V
Humidity	:95% MAX	
Transformer Creepage & Clearance	:3.0 mm Min	
PCB Creepage & Clearance	:5.5 mm Min	
Isolation Voltage	:5200Vac	@Input to Output (60sec/0.5mA)
Isolation Voltage	:10000VDC	@Input to Output (1sec/0.5mA)
Isolation Resistance	:10GΩ MIN	@ 500Vdc
Cooling	:Free air convection	
MTBF	:>1500000 Hours	MIL-HDBK-217F@25°C,Ground Benign.
Case Material	:DAP	
Weight	:12.8g TYP	

Temperature Derating Graph



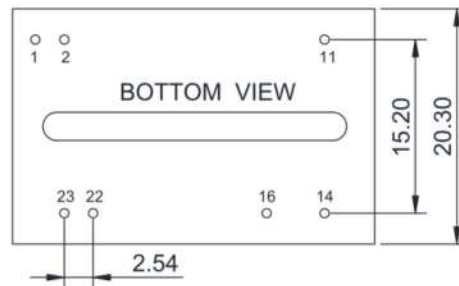
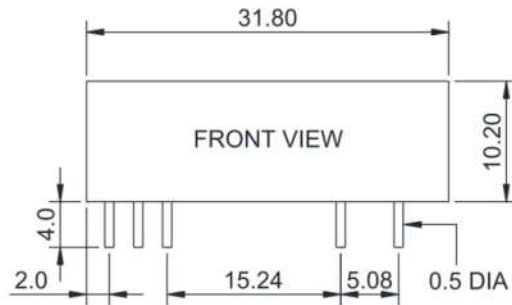
Recommended Test Circuit



Vin	Cin	Single Vout	Cout
24Vdc	10μF/100V	5Vdc	100μF/16V

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

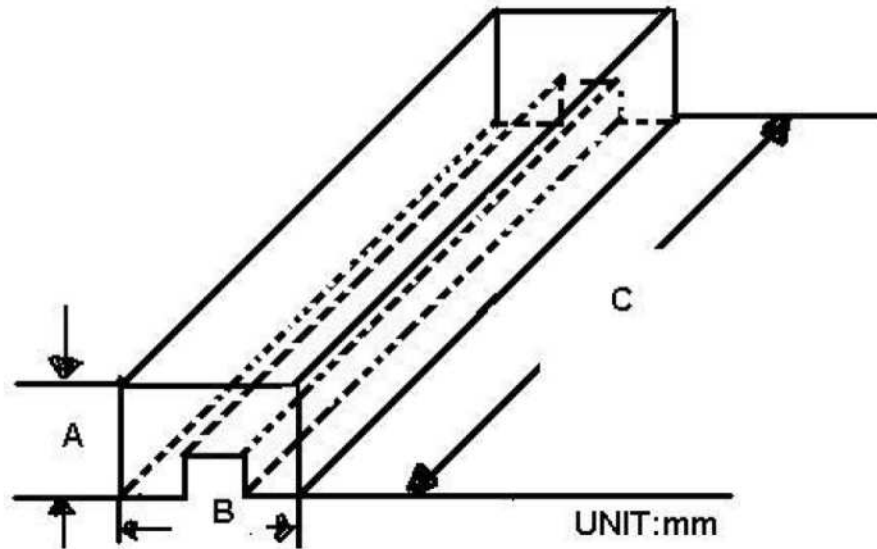
PIN	1	2	11	14	16	22.23
Single	NO PIN	-Vin	NC	+Vout	-Vout	+Vin

Packing Information:

Weight----- 12.8grams/pcs

TUBE-----15pcs

Weight: 236g per tube



Size(mm)		
A	B	C
18.71	23.00	522

Outer carton unit: 540pcs/36Tube/box

Weight: 9.5kg per carton

