

Features

- 4PIN DIP Package
- UL94V-0 Package Material
- Operating Temperature:-40°C TO +85°C
- Efficiency up to 92%
- Non isolated, no need for heatsinks
- Short circuit protection



**NON-ISOLATED
DC/DC Converter**

Input Specifications

Input Voltage Range	:6.5~36Vdc
Input current no load	:2mA TYP

Output Specifications

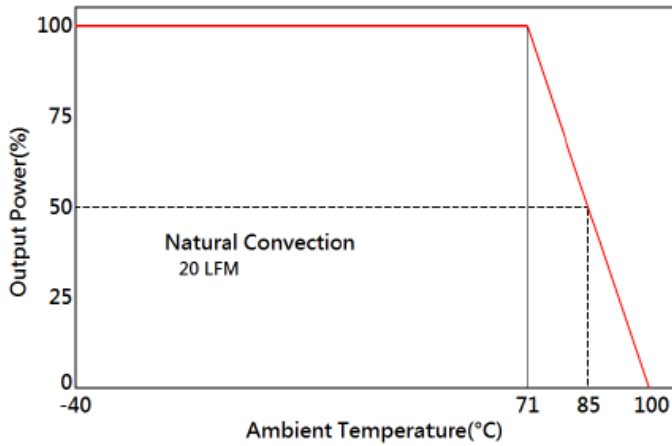
Output Voltage	:5Vdc	
Output Voltage Accuracy	:±2%	@Vout=4.9~5.1Vdc @Vin=6.5~36Vdc
Output Current	:1000mA	
Efficiency	:92% TYP @Min Vin	
	:84% TYP @Max Vin	
Ripple / Noise	:50mVp-p MAX	@20MHz Bandwidth
Short Circuit Protection	:Continuous	@auto-recovery
Line Regulation	:±0.3% MAX	@ at Full Load
Load Regulation	:±0.4% TYP	@10% to 100% load

General Specifications

Operating Temperature Range	: -40°C ~ +85°C (with derating)	Output load derate 2.86% per degree Celsius above 71°C as refer to temperature derating graph.
Storage Temperature	: -55°C ~ +125°C	
Switching Frequency	: 440KHz TYP	
Humidity	: 95% MAX	
Cooling	: Natural convection	@20LFM
MTBF	: >5000x10 ³ Hours	MIL-HDBK-217F@25°C,Ground Benign.
Weight	: 1.6g TYP	
Conducted Emission	: EN55022 Class A	
Radiated Emission	: EN55022 Class A	

Temperature Derating Graph

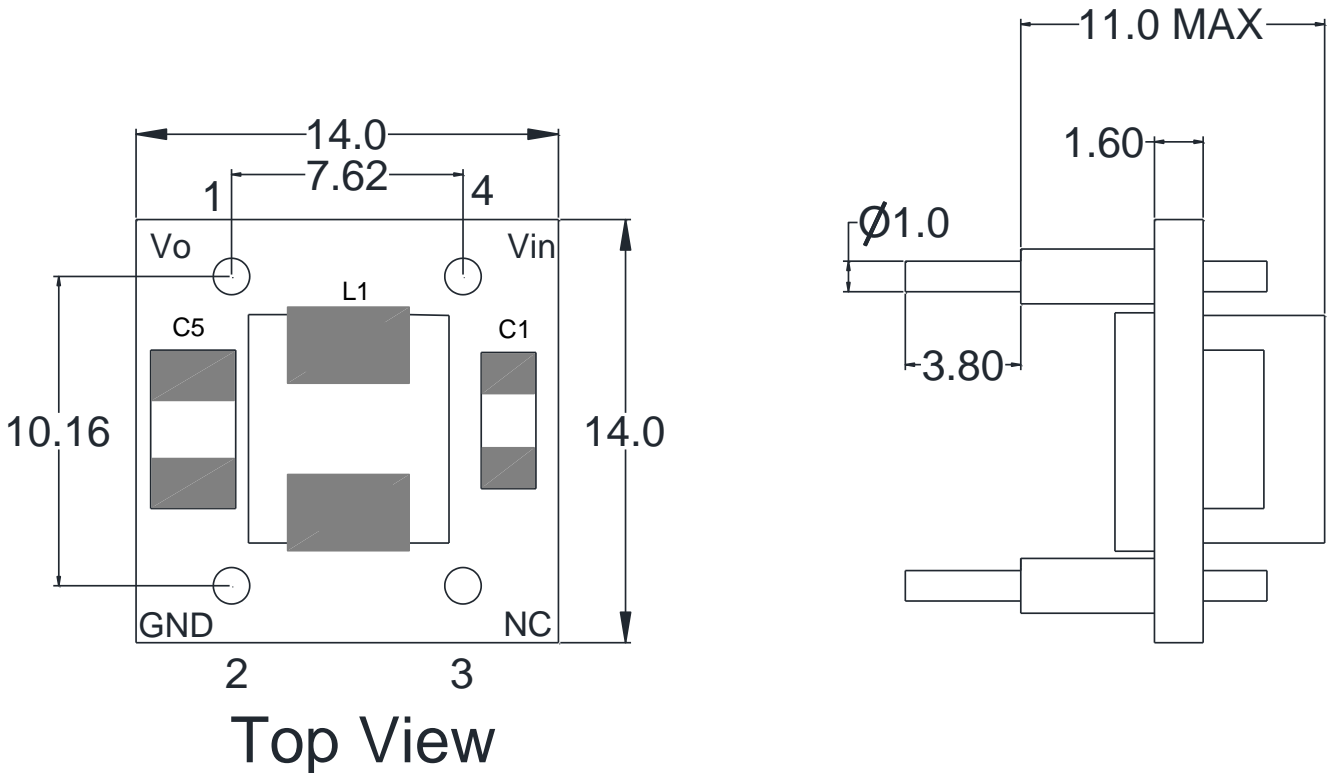
Part Number



01DC — 05 — 1A D F
 A B C D E

A:Series
 B:Output Voltage
 C:Output Current
 D:DIP Package
 E:Open frame

Outline Dimensions



Unit:mm Tolerance:XX.X±0.5, XX.XX±0.25

PIN Assignment

PIN	1	2	3	4
FUNCTION	+Vout	GND	NC	+Vin