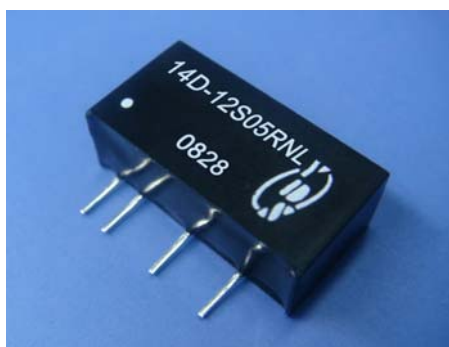




3000Vdc Single Output 1 Watt Dc-Dc Converter



FEATURES:

- 7PIN SIP Package
- 3000Vdc Isolation
- Regulated Output Types
- UL 94V-0 Package Material
- Operating Temperature:-40°C TO +85°C
- MTBF:>3,500,000 hrs



Specifications typical at TA=25°C, nominal input voltage and rated output current unless otherwise specified

Part Number	Output Voltage(Vdc)		Output Voltage	Output Current	Efficiency	Encapsulation
	Standard	Range	Vdc	mA	%TYP	
14D-05S05RNL	5	4.5~5.5	5	200	65	SIP
14D-05S09RNL			9	112	70	SIP
14D-05S12RNL			12	84	70	SIP
14D-05S15RNL			15	67	70	SIP
14D-12S05RNL	12	10.8~13.2	5	200	70	SIP
14D-12S09RNL			9	112	80	SIP
14D-12S12RNL			12	84	80	SIP
14D-12S15RNL			15	67	80	SIP
14D-15S05RNL	15	13.5~16.5	5	200	70	SIP
14D-15S09RNL			9	112	80	SIP
14D-15S12RNL			12	84	80	SIP
14D-15S15RNL			15	67	80	SIP
14D-24S05RNL	24	21.6~26.4	5	200	75	SIP
14D-24S09RNL			9	112	80	SIP
14D-24S12RNL			12	84	80	SIP
14D-24S15RNL			15	67	80	SIP

Input Specifications

Parameters	Conditions	Min	Typ	Max	Units
Voltage Tolerance				±10	%
Filter	Capacitor				

Output Specifications

Parameters	Conditions	Min	Typ	Max	Units
Voltage Tolerance				±5	%
Short Circuit Protection	Continuous				
Line Regulation	Regulated			±0.5	%
Load Regulation	Regulated			±1.5	%
Ripple & Noise	Output:5V TYPES BW=DC To 20MHz			100	mVp-p
Ripple & Noise	Output:12-48V TYPES BW=DC To 20MHz			1% of Vout	mVp-p
Transient response setting time	50% load step change		350		us

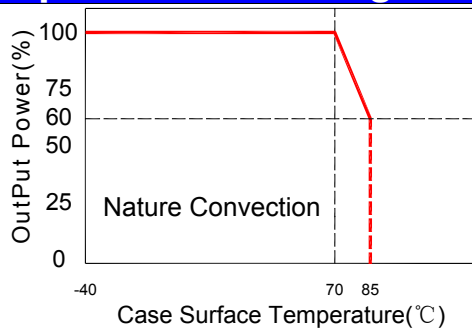


3000Vdc Single Output 1 Watt Dc-Dc Converter

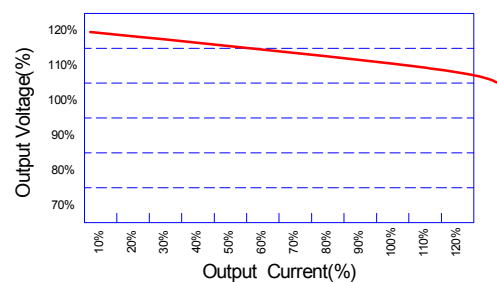
General Specifications

Parameters	Conditions	Min	Typ	Max	Units
Isolation Resistance	500Vdc	1000			MΩ
Operation Temperature		-40		+85	°C
Humidity	Non Condensing			95	%
Cooling	Free air Convection				
Case material	DAP				
Weight			2.9		g
Dimensions	Package Style	19.5x7.1x10.0	mm		

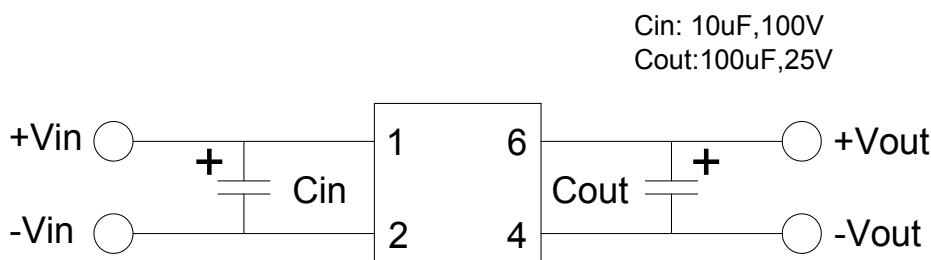
Temperature Derating Graph



Tolerance Envelope Graph



Recommended Test Circuit



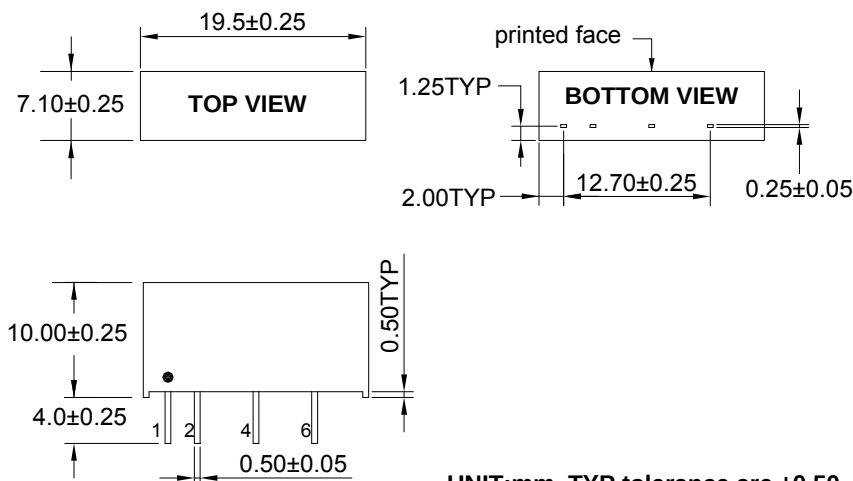
Cin: 10uF,100V
Cout:100uF,25V

Part Number

14D - 05 S 05 R NL
A B C D E F

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

Markings and dimensions



UNIT:mm TYP tolerance are ±0.50

PIN Connection

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