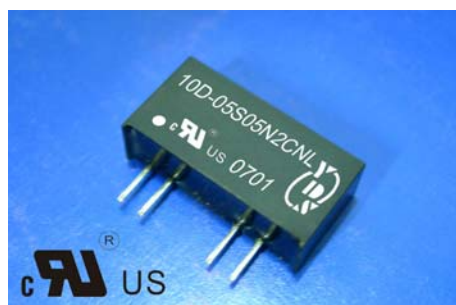


1000Vdc Single Output 1 Watt Dc-Dc Converter



FEATURES:

- 7PIN SIP Package
- 1000Vdc Isolation
- Unregulated Output Types
- Recognized By UL 1950
- Operating Temperature:-40℃ To +85℃
- 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	Output Current	Efficiency	Package Style
	Vdc	mA	%TYP	
10D-XXS05NNL	5	200	70	1
10D-XXS09NNL	9	112	75	1
10D-XXS12NNL	12	84	75	1
10D-XXS15NNL	15	67	75	1
10D-XXS05N2NL	5	200	70	2
10D-XXS09N2NL	9	112	75	2
10D-XXS12N2NL	12	84	75	2
10D-XXS15N2NL	15	67	75	2

Note:1. Over 24Vdc input voltage, using the 2nd package 2."XX" Is Input Voltage:03=3.3Vdc,05=5Vdc,12=12Vdc,15=15Vdc,24=24Vdc,48=48Vdc

Input Specifications

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

Output Specifications

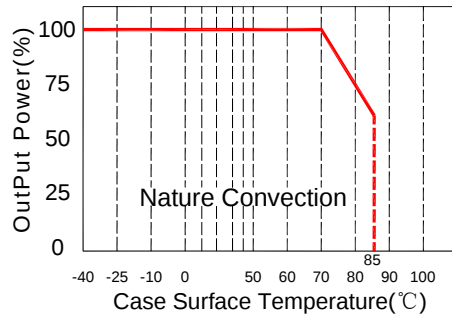
Parameters	Conditions	Min	Typ	Max	Units
Voltage Tolerance				±5	%
Short Circuit Protection	Short Term		1 Sec		
Line Regulation	For 1.0% OF Vin		1.2		%
Load Regulation	3.3V & 5V (10% To 100% F.L)			15	%
Load Regulation	9V,12V & 15V(10% To 100% F.L.)			10	%
Ripple & Noise	Input:3.3V & 48VBW=DC To 20MHz			150	mVp-p
Ripple & Noise	Input:5V,12V,15V,& 24VBW=DC To 20MHz			100	mVp-p
Transient response setting time	50% load step change		350		us

General Specifications

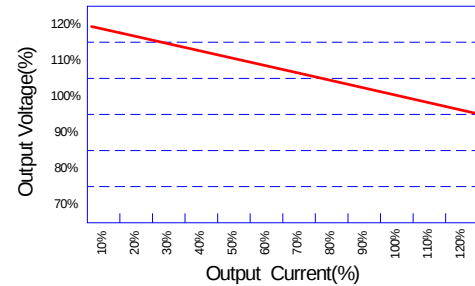
Parameters	Conditions	Min	Typ	Max	Units
Isolation Resistance	500Vdc	1000			M Ω
Switngfrequency			100		KHz
Operating Temperature		-40		+85	℃
Humidity	Non Condensing			95	%
Cooling	Free air Convection				
Case material	DAP				
Weight			2.1		G
Dimensions	Package 1		19.5x6.0x10.0		mm
Dimensions	Package 2		19.5x7.1x10.0		mm

1000Vdc Single Output 1 Watt Dc-Dc Converter

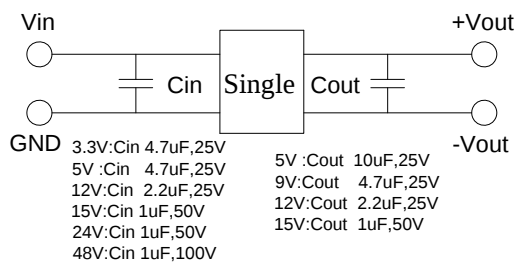
Temperature Derating Graph



Tolerance Envelope Graph



Recommended Test Circuit

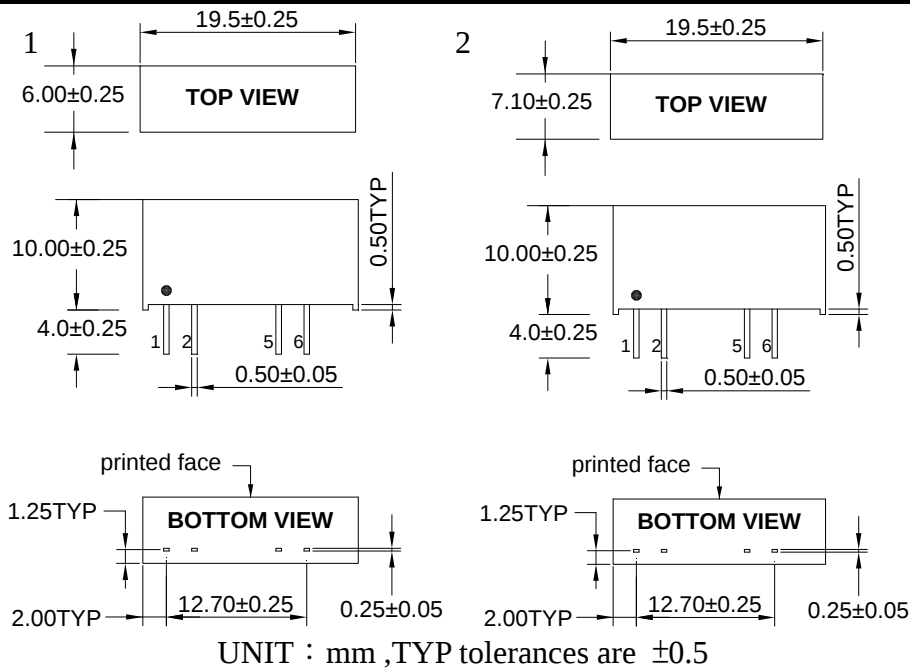


Part Number

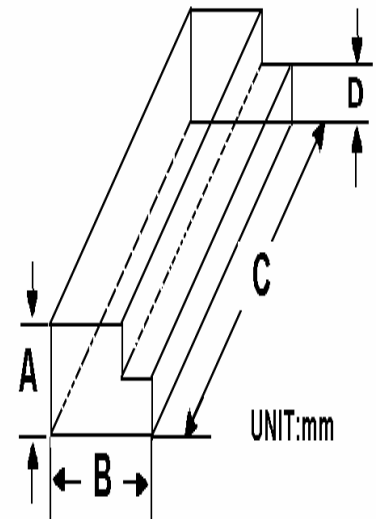
10D - 05 S 05 N 2 C NL
A B C D E F G H

A:Series
B:Input Voltage
C:Single(S)
D:Output Voltage
E:Unregulated(N)
F:Package
G:Operating Temperature
H:RoHS Version

Markings and dimensions



Packaging



Size(mm)			
A	B	C	D
9.50	16.50	522	5.00

PIN Connection

PIN	1	2	4	5	6
Single	+Vin	-Vin	NC	-Vout	+Vout