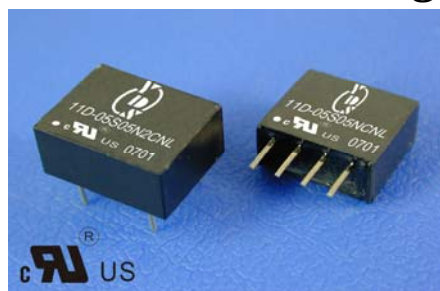


1000Vdc Single Output 250m Watt Dc-Dc Converter



FEATURES:

- 4PIN SIP & 8PIN DIL Package
- 1000Vdc Isolation
- Unregulated Output Types
- Recognized By UL 1950
- 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	Output Current	Efficiency	Package Style
	Vdc	mA	%TYP	
11D-XXS03NNL	3.3	76	65	1
11D-XXS05NNL	5	50	65	1
11D-XXS09NNL	9	28	70	1
11D-XXS12NNL	12	21	70	1
11D-XXS15NNL	15	16	70	1
11D-XXS03N2NL	3.3	76	65	2
11D-XXS05N2NL	5	50	65	2
11D-XXS09N2NL	9	28	70	2
11D-XXS12N2NL	12	21	70	2
11D-XXS15N2NL	15	16	70	2

Note:1."XX" Is Input Voltage:03=3.3Vdc,05=5Vdc,12=12Vdc,

Input Specifications

Parameters	Conditions	Min	Typ	Max	Units
Voltage Types				±5	%
Filter	Capacitor				

Output Specifications

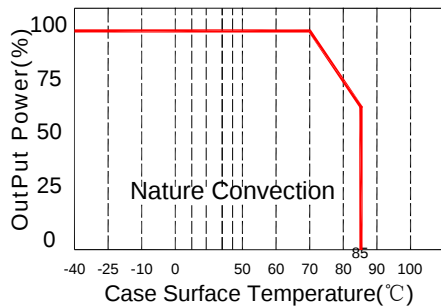
Parameters	Conditions	Min	Typ	Max	Units
Voltage Tolerance				±5	%
Short Circuit Protection	Short Term		1 Sec		
Line Regulation	For 1.0% OF Vin		1.2		%
Load Regulation	3.3V & 5V (10% To 100% F.L)			15	%
Load Regulation	9V,12V & 15V(10% To 100% F.L.)			10	%
Ripple & Noise	Input:3.3V TYP BW=DC To 20MHz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

General Specifications

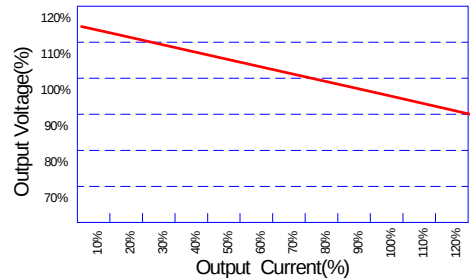
Parameters	Conditions	Min	Typ	Max	Units
Isolation Resistance	500Vdc	1000			MΩ
Switngfrequency			100		KHz
Operating Temperature		-40		+85	°C
Humidity	Non Condensing			95	%
Cooling	Free air Convection				
Case material	DAP				
Weight			2.3		g
Dimensions	Package 1	11.50x6.00x10.00			mm
Dimensions	Package 2	12.70x10.16x6.80			mm

1000Vdc Single Output 250m Watt Dc-Dc Converter

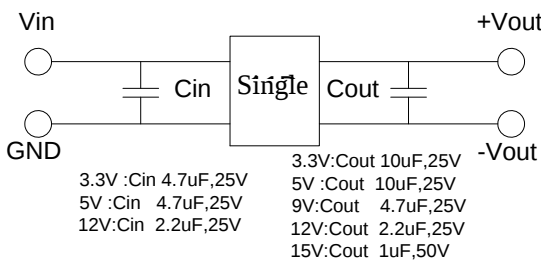
Temperature Derating Graph



Tolerance Envelope Graph



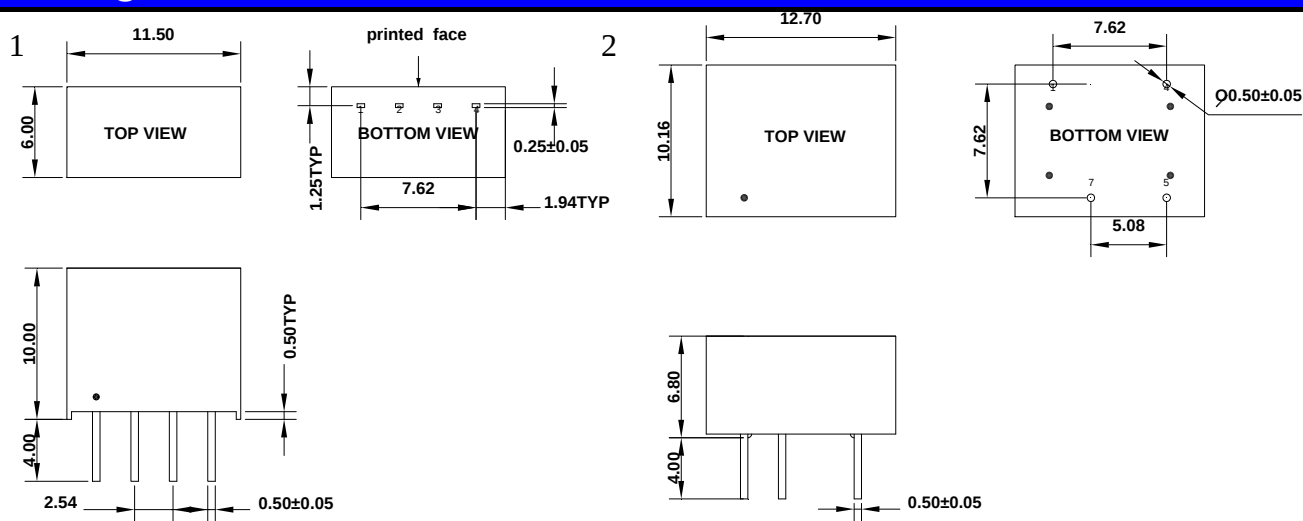
Recommended Test Circuit



Part Number

11D - 05 S 05 N C NL
A B C D E F G
A:Series
B:Input Voltage
C:Single(S)
D:Output Voltage
E:Unregulated(N)
F:Operating Temperature
G:RoHS Version

Markings and dimensions



Unit : mm Unless otherwise specified, all tolerances are ±0.25
NOTE:"TYP" Tolerances are ±0.50

PIN Connection

PIN	1	2	3	4	5	6	7	8
4PIN	-Vin	+Vin	-Vout	+Vout				
8PIN	-Vin	NC	NC	+Vin	+Vout	NC	-Vout	NC