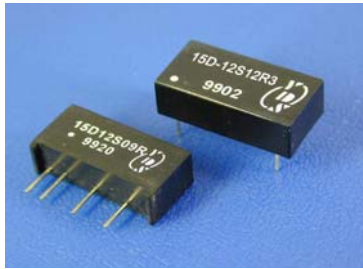




1000Vdc Regulated Single Output 1 Watt Dc-Dc Converter



FEATURES:

- 7PIN SIP & 14PIN DIL Package
- 1000Vdc Isolation
- Output Regulation<1.5%
- UL 94V-0 Package Material
- MTBF:>2,000,000 hrs ● Operating Temperature:-40℃ TO +85℃

RoHS
Compliant

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	
15D-XXS05RNL	5	100	45	1
15D-XXS09RNL	9	100	55	1
15D-XXS12RNL	12	83	55	1
15D-XXS15RNL	15	67	55	1
15D-XXS05R3NL	5	100	45	3
15D-XXS09R3NL	9	100	55	3
15D-XXS12R3NL	12	83	55	3
15D-XXS15R3NL	15	67	55	3
15D-XXS05R2NL	5	100	45	2
15D-XXS09R2NL	9	100	55	2
15D-XXS12R2NL	12	83	55	2
15D-XXS15R2NL	15	67	55	2
15D-XXS05R4NL	5	100	45	4
15D-XXS09R4NL	9	100	55	4
15D-XXS12R4NL	12	83	55	4
15D-XXS15R4NL	15	67	55	4

Note:1."XX" Is Input Voltage:05=5Vdc,12=12Vdc, 24=24Vdc, 48=48Vdc,

2. Over 24Vdc input voltage, using the 2nd or 4nd package

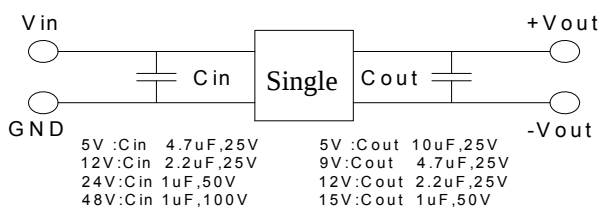
Input Specifications

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		0.25		%
Load Regulation	10% To 100% F.L		0.9	1.5	%
Ripple & Noise	BW=DC To 20MHz			100	mVp-p
Transient response setting time	50% load step change		350		us

Recommended Test Circuit



Part Number

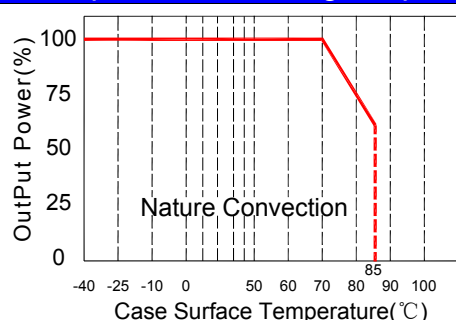
15D - 05 S 05 R 2 C NL
 A B C D E F G H
 A:Series
 B:Input Voltage
 C:Single(S)
 D:Output Voltage
 E:Regulated(R)
 F:Packge
 G:Operating Temperature
 H:RoHS Version



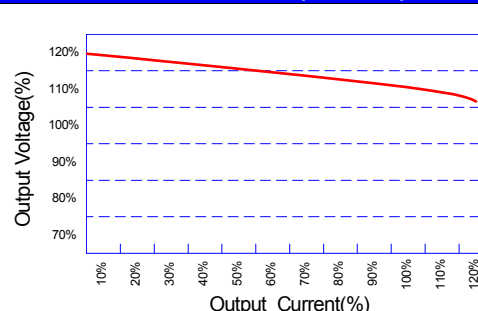
1000Vdc Regulated Single Output 1 Watt Dc-Dc Converter

General Specifications					
Parameters	Conditions	Min	Typ	Max	Units
Isolation Resistance	500Vdc	1000			MΩ
Switgfrequency			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	19.50x6.00x10.00			mm
Dimensions	Package 2	19.5x7.10x10.00			mm
Dimensions	Package 3	20.32x10.16x6.80			mm
Dimensions	Package 4	20.32x10.16x7.70			mm

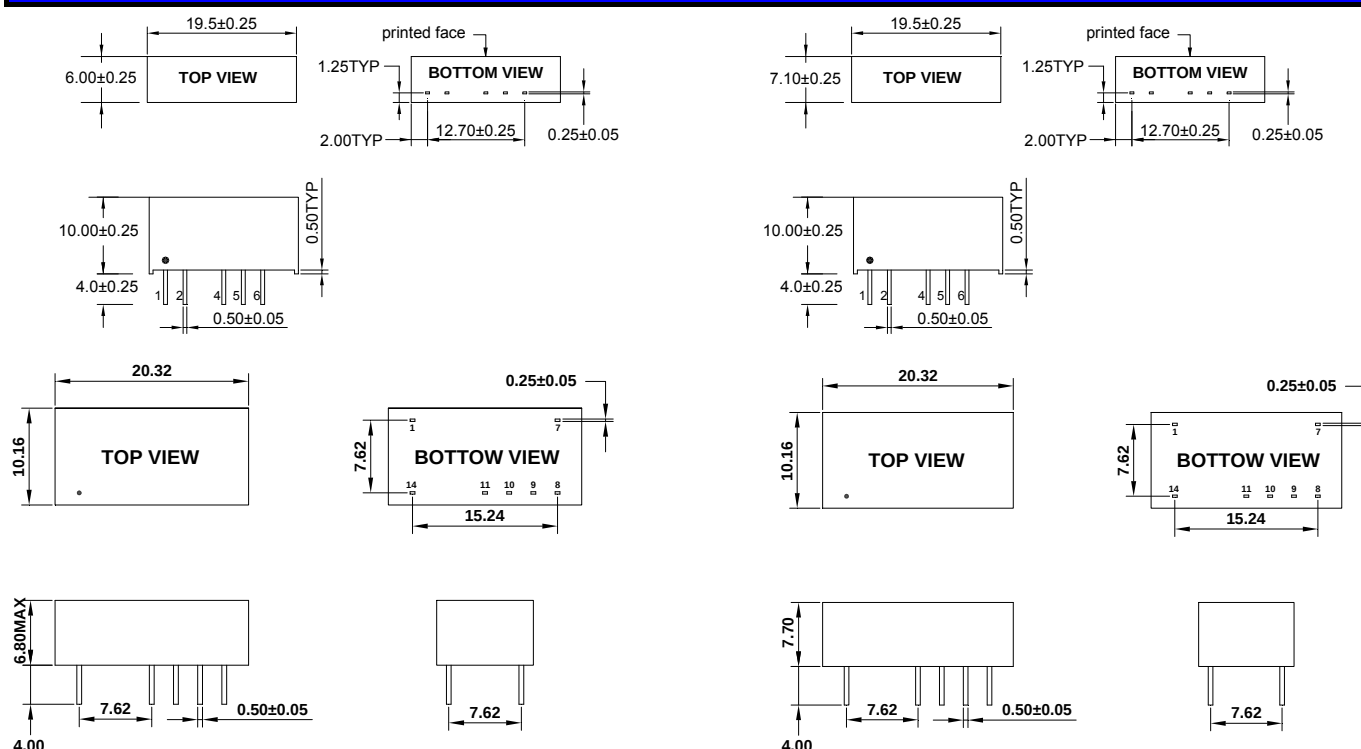
Temperature Derating Graph



Tolerance Envelope Graph



Markings and dimensions

Unit: mm Unless otherwise specified, all tolerances are ± 0.25 NOTE: "TYP" tolerances are ± 0.5

PIN Connection

PIN	1	2	4	5	6	9	10	11	14
7PIN	+Vin	-Vin	-Vout	CTRL	+Vout				
14PIN	-Vin					+Vout	CTRL	-Vout	+Vin