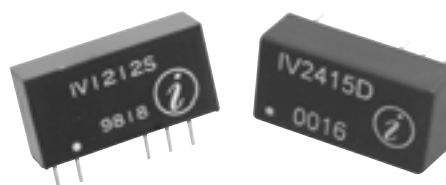


International Power Sources, Inc.

260 Hopping Brook Road
Holliston, Massachusetts 01746
Tel. (508) 429-4440 Fax (800) 226-2100
<http://www.intlpower.com>

DC/DC Converters 3000 VDC Isolation



IV SERIES 1 WATT

SHOWN
ACTUAL
SIZE

FEATURES

- 0.18 in² board space
- 80% Efficiency
- 15 Watts per in³
- 5, 12, and 24 VDC Inputs
- 3000 VDC Isolation
- Industry Standard Pinouts

MODELS CHART

OUTPUT VOLTAGE(S)	OUTPUT CURRENT(S)	PART NUMBERS		
		5VDC INPUT	12VDC INPUT	24VDC INPUT
5VDC	200mA	IV0505XA	IV1205XA	IV2405XA
9VDC	112mA	IV0509XA	IV1209XA	IV2409XA
12VDC	84mA	IV0512XA	IV1212XA	IV2412XA
15VDC	66mA	IV0515XA	IV1215XA	IV2415XA
±5VDC	±100mA	IV0505X	IV1205X	IV2405X
±9VDC	±56mA	IV0509X	IV1209X	IV2409X
±12VDC	±42mA	IV0512X	IV1212X	IV2412X
±15VDC	±33mA	IV0515X	IV1215X	IV2415X

Replace "X" with "S" for Single-In-Line Package, suffix "D" for Dual-In-Line Package.

ELECTRICAL SPECIFICATIONS

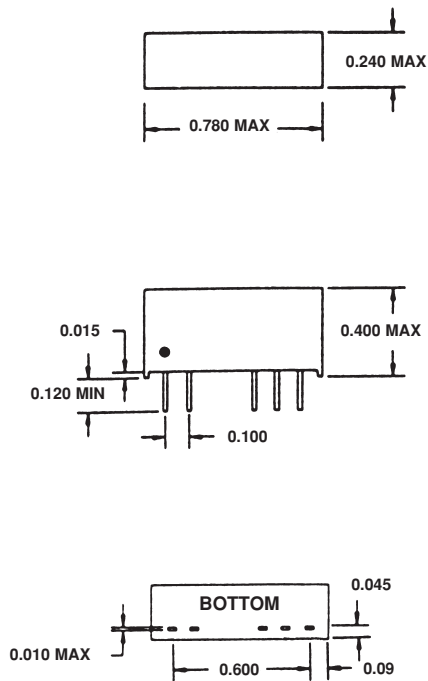
All specifications typical at nominal line, full load and 25°C

Input voltage range	±10%
Input reflected noise (20MHz BW)	100mV p-p max.
Output voltage accuracy	±5%
Line regulation	1.2%/1% of Vin
Load regulation (10% to 100% Load)	±10%
Output ripple and noise (20 MHz BW)	100mV p-p max.
Efficiency at full load, 9V, 12V and 15V outputs	80% typical
Efficiency at full load, 5V outputs	70% typical
Short circuit protection	1 second max.
Input output isolation	3000VDC
Temperature coefficient	0.03% per °C max.
Operating temperature range	-40°C to 85°C
	-40°C to 71°C (no derating)
Storage temperature range	-55°C to 125°C

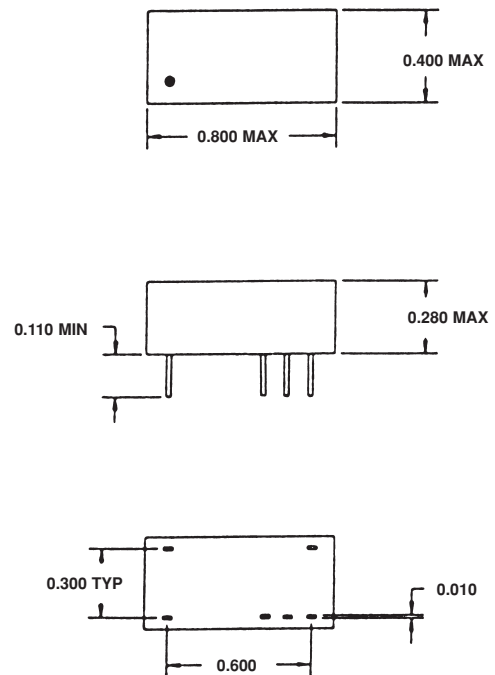
Specifications subject to change. Unit requires 10mm of air space.

MECHANICAL SPECIFICATIONS

SINGLE-IN-LINE PACKAGE



DUAL-IN-LINE PACKAGE

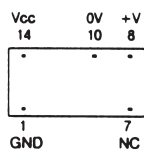


Pins .01 x .02 inches

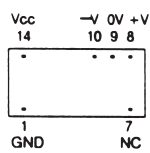
PIN CONNECTIONS

DERATING CURVE

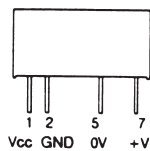
SINGLE OUTPUT MODELS



DUAL OUTPUT MODELS



DUAL-IN-LINE PACKAGE (TOP VIEW)



SINGLE-IN-LINE PACKAGE

