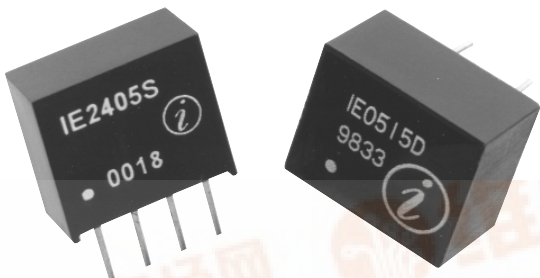


DC/DC Converters

1 Watt
IE Series

XPiQ inc.
Intelligent Design Quality Product



- 0.12 in² Board Space
- 80% Efficiency
- 22 Watts per in³
- 3.3, 5, 12, 24 and 48 VDC Inputs
- 1000/3000 VDC Isolation
- Industry Standards Pinouts

Specification

Input		Environmental	
Input Voltage	• ±10%	Input Output Isolation	• 1000 VDC/ 3000 VDC min
Input Reflected Noise (20 MHz BW)	• 100mV pk-pk max	Temperature Coefficient	• 0.03%/°C max
Output		Operating Temperature Range	• -40 °C to +85 °C
Output Voltage Accuracy	• ±5%	Storage Temperature Range	• -55 °C to +125 °C
Output Ripple & Noise (20 MHz BW)	• 100 mV pk-pk max		
Line Regulation	• 1.2%/1% of Vin		
Load Regulation (20% to 100% Load)	• ±10% or ±15% for 3.3 V output model		
General			
Efficiency	• At full load 9 V, 12 V & 15 V outputs 80% typical At full load 3.3 V & 5 V outputs 70% typical		
Short Circuit Protection	• 1 second max		

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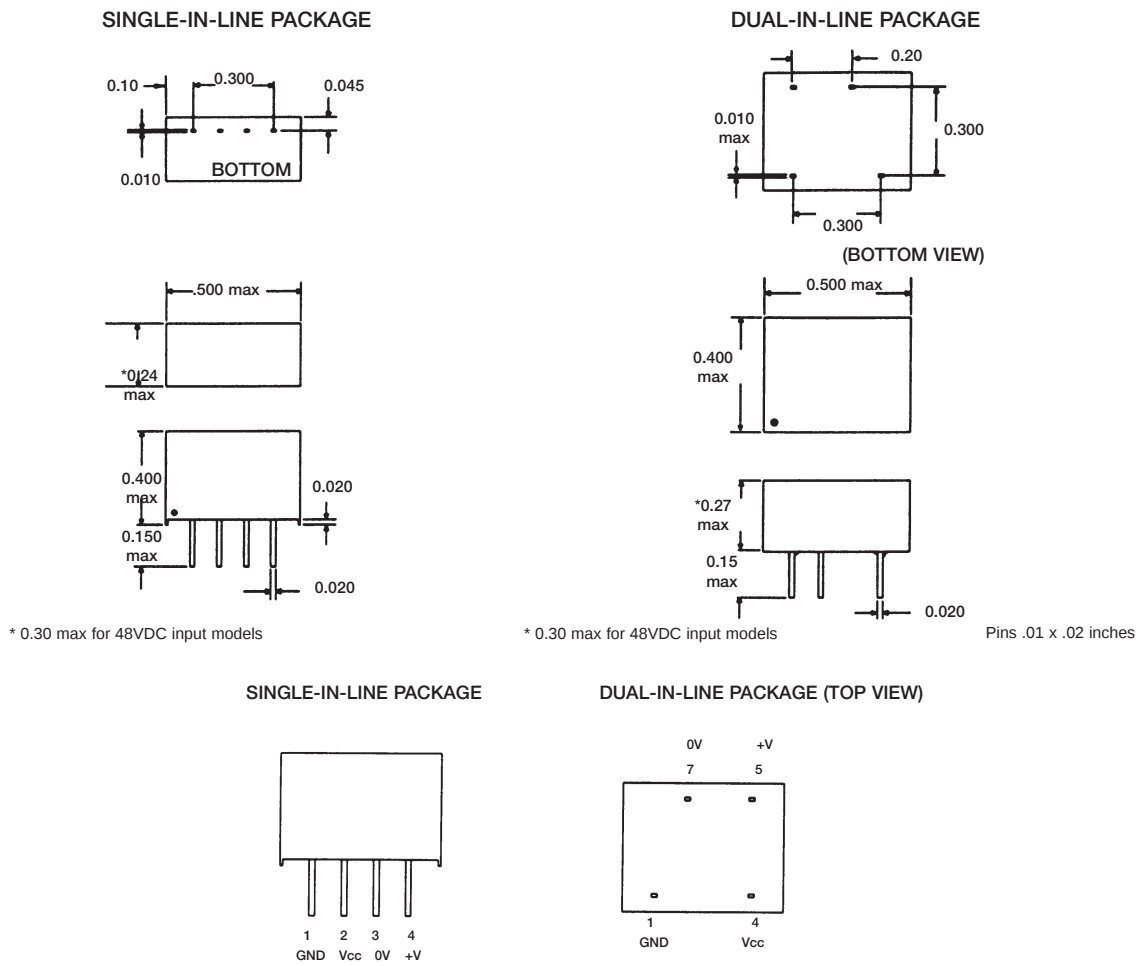
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Email: sales@xpiq.com
Holliston, MA 01746 USA

OUTPUT VOLTAGE & CURRENT RATINGS						IE
Output Voltage	Output Current	3.3 VDC Input	5 VDC Input	12 VDC Input	24 VDC Input	48 VDC Input
3.3 VDC	300 mA	IE0303	IE0503	IE1203	IE2403	IE4803
5.0 VDC	200 mA	IE0305	IE0505	IE1205	IE2405	IE4805
9.0 VDC	111 mA	IE0309	IE0509	IE1209	IE2409	IE4809
12.0 VDC	84 mA	IE0312	IE0512	IE1212	IE2412	IE4812
15.0 VDC	66 mA	IE0315	IE0515	IE1215	IE2415	IE4815

Notes

Add suffix "S" for single-in-line package, suffix "D" for dual-in-line package.
Add suffix "H" for 3000 VDC isolation.
* Derate output by 50% for 3.3 VDC input models.

Mechanical Details



Derating Curve

