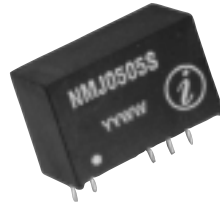


International Power Sources, Inc.

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

DC/DC Converters 5200 VDC Isolation



NMJ SERIES 1 WATT

FEATURES

- BS EN 60950 Certified
- 5200 VDC Isolation
- -40°C to 85°C Operation
- 5V and 12V Inputs
- Efficiency to 80%
- MTBF to 1.6 Million Hours

MODELS CHART

OUTPUT VOLTAGE (S)	OUTPUT CURRENT(S)	PART NUMBERS	
		5VDC INPUT	12VDC INPUT
±5VDC	±100mA	NMJ0505S	NMJ1205S
±9VDC	±55mA	NMJ0509S	NMJ1209S
±12VDC	±42mA	NMJ0512S	NMJ1212S
±15VDC	±33mA	NMJ0515S	NMJ1215S

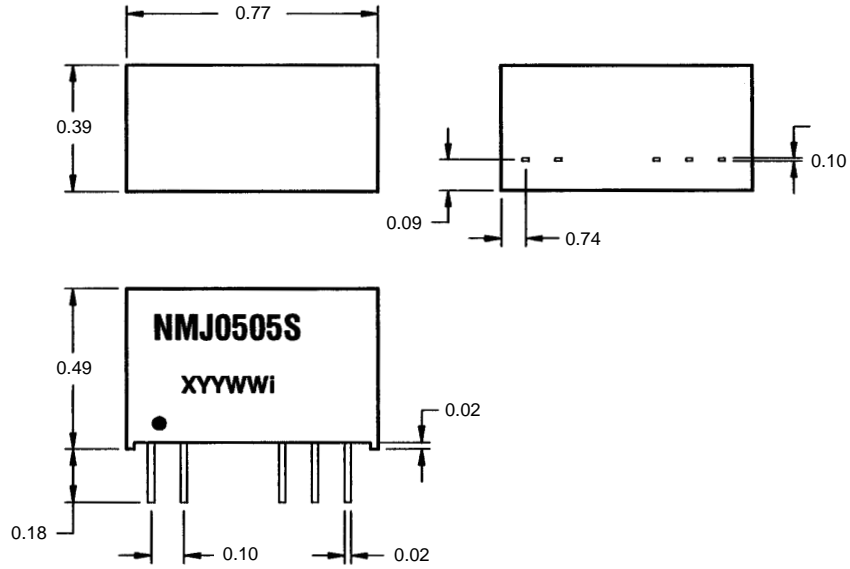
ELECTRICAL SPECIFICATIONS

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

Input voltage range	±10%
Input reflected noise (20MHz BW)	80mV p-p max.
Output voltage accuracy	±10% max.
Line regulation (10% to 100% Load)	1.2%/1% of Vin
Load regulation (10% to 100% Load)	±15% max.
Output ripple and noise (20 MHz BW)	200mV p-p max.
Efficiency at full load, 5V outputs	65% typical
Efficiency at full load, 9V, 12V and 15V outputs	70% typical
Total output power (either output)	1 watt
Short circuit protection	1 second max.
Input output isolation (Flash tested for 1 second)	5200VDC
Temperature coefficient	0.2% per °C max.
Operating temperature range	-40°C to 85°C
Storage temperature range	-55°C to 130°C

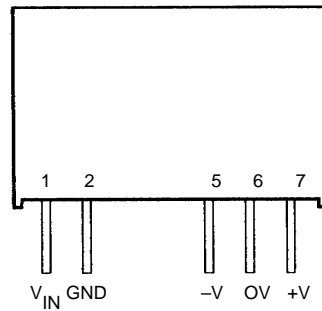
Specifications subject to change. Unit requires 10mm of air space.

MECHANICAL SPECIFICATIONS



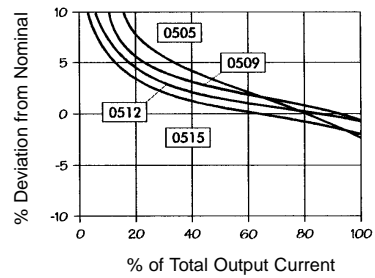
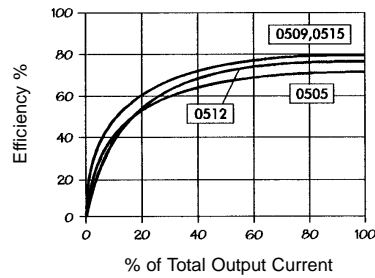
Tolerance 0.02

PIN CONNECTIONS



OUTPUT CHARACTERISTICS

NMJ05 series



NMJ12 series

