

# 37218-PS

## + & - 12VDC Output DC/DC Converter

DC-DC Boost-Buck Converter with Built in Frequency Compensation, Soft-Start, Thermal Shutdown & Current Limit.

**NOTE: V- cannot be used alone, you can just use V+**

Input voltage 3~24V

Output + & - 12VDC

Maximum output power: 1 to 8W (Dependant on Input, See Chart)

Conversion efficiency: 70-90%

Quiescent current: 3-4mA

Accuracy: Positive voltage  $\pm 3\%$ , Negative voltage  $\pm 5\%$

(Minimum Recommended Load: 10mA)

Operating Frequency: ~ 400KHZ.

Operating ambient temperature: ~-40 to ~+85°C

L: 1-5/8" W: 15/16" H: 5/8" WT: .02



**NOTE: INPUT & OUTPUT GND (COMMON) ARE CONNECTED**

### FOR REFERENCE ONLY

#### OUTPUT

**+12V Only Output**

Input Voltage	Input Current	Output Voltage	Output Current
3V	0.32A	12V	0.06A
3.3V	0.40A	12V	0.08A
3.7V	1.00A	12V	0.19A
5V	1.20A	12V	0.35A
6V	1.59A	12V	0.49A
9V	1.30A	12V	0.70A
12V	1.20A	12V	0.90A
15V	0.92A	12V	0.90A
18V	0.76A	12V	0.90A

**+ & -12V Output**

Input Voltage	Input Current	Output Voltage	Output Current
3V	0.32A	$\pm 12V$	0.03A
3.3V	0.40A	$\pm 12V$	0.04A
3.7V	1.00A	$\pm 12V$	0.10A
5V	1.20A	$\pm 12V$	0.18A
6V	1.59A	$\pm 12V$	0.25A
9V	1.30A	$\pm 12V$	0.36A
12V	1.20A	$\pm 12V$	0.46A
15V	0.92A	$\pm 12V$	0.46A
18V	0.76A	$\pm 12V$	0.46A

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**MARLIN P. JONES & ASSOC., INC.**

P.O. Box 530400 Lake Park, FL 33403

800-652-6733 FAX 561-844-8764

WWW.MPJA.COM