

37219-PS

+ & - 5VDC 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 + & - 5VDC

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: $\sim 400\text{KHZ}$.

Operating ambient temperature: ~ -40 to $\sim +85^\circ\text{C}$

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



NOTE: INPUT & OUTPUT GND (COMMON) ARE CONNECTED

FOR REFERENCE ONLY

OUTPUT

**+5V Only
Output**

Input Voltage	Input Current	Output Voltage	Output Current
3V	0.46A	5V	0.20A
3.3V	0.96A	5V	0.30A
3.7V	1.00A	5V	0.50A
5V	1.00A	5V	0.75A
6V	1.00A	5V	0.80A
9V	0.88A	5V	1.00A
12V	0.83A	5V	1.38A
15V	0.75A	5V	1.56A
18V	0.60A	5V	1.56A

**+ & -5V
Output**

Input Voltage	Input Current	Output Voltage	Output Current
3V	0.46A	$\pm 5\text{V}$	0.10A
3.3V	0.96A	$\pm 5\text{V}$	0.20A
3.7V	1.00A	$\pm 5\text{V}$	0.25A
5V	1.00A	$\pm 5\text{V}$	0.35A
6V	1.00A	$\pm 5\text{V}$	0.41A
9V	0.88A	$\pm 5\text{V}$	0.55A
12V	0.83A	$\pm 5\text{V}$	0.70A
15V	0.75A	$\pm 5\text{V}$	0.80A
18V	0.60A	$\pm 5\text{V}$	0.80A

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