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DC to DC Converter Board – 1 Input - 2 Outputs

Do you have access to only one source (voltage) of power but need other voltages? This circuit will do the trick. Provide one voltage as an input (up to 36VDC) and get two different output voltages (below the input voltage). The voltage output is dependent upon what voltage regulator you use in the circuit. Let's say you have 12VDC available and you need 9 VDC and 5VDC to power some other components… then build the circuit with the 9 VDC and 5VDC voltage regulators. Each output can handle a current up to 1A. Very useful (and cheap)!

Miscellaneous Information:
Input wattage must be greater than output wattage. (Volts x Amps = Watts) For example, if you wanted 1A outputs of 5 VDC (5 watts) and 9 VDC (9 watts) – a total of 14 watts, you must provide greater than 14 watts input. If you had 12 VDC as the input, you would need greater than 1.167 A input current.

Specifications:

- Input Power: Up to 36 VDC
- Number of Outputs: 2
- Output (V): 5 – 24 VDC (depending on which voltage regulator is used)
- Output (A): 1A if heat sink is used
- Board Dimensions: 2 x 1.6 inches

Disclaimer:
These boards are designed for educational use only. In no circumstances should these circuit boards be used in critical situations where failure could mean injury or property damage.

For more information, contact us at:
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