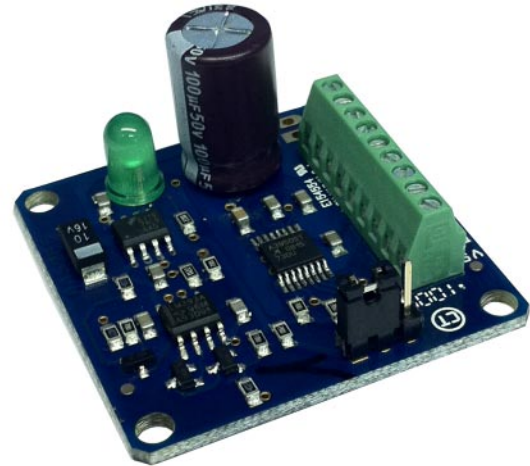


FEATURES

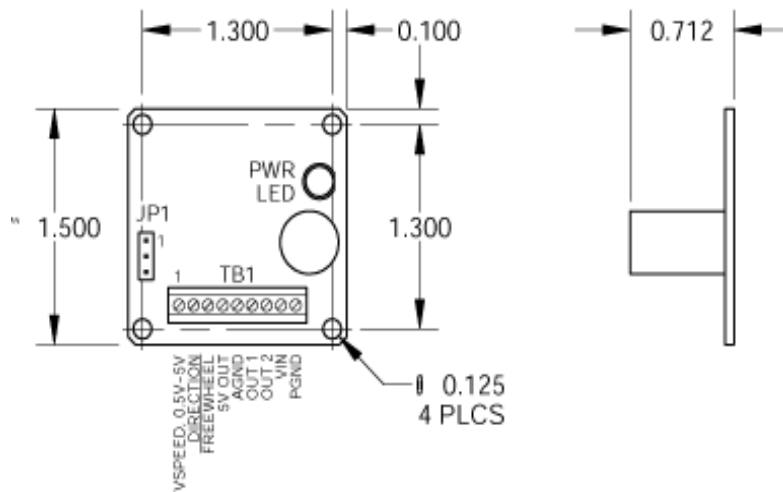
- Current Limit set at 3.0 Amps
- External Potentiometer Speed Control
- 0.5V to 5V External Voltage Speed Control
- 2-Quadrant Operation
- Open-Loop Velocity Mode
- Cycle by Cycle Short Circuit Protection
- Requirers 8 - 35VDC
- Freewheel and Direction Inputs
- TTL-CMOS Compatible Inputs
- Compact Size (1.50" X 1.50" X 0.712")
- Screw Type Terminal Block



DESCRIPTION

The MBDC050-024031 driver is designed to drive DC brush motors at peak currents of up to 3.0A and 35V. An optional external potentiometer (10K) or external voltage (0.5-5VDC) can be used to control the speed as well. The direction of the motor can be present by the direction control input. To disable energy from the motor, there is a Freewheel input that can be grounded.

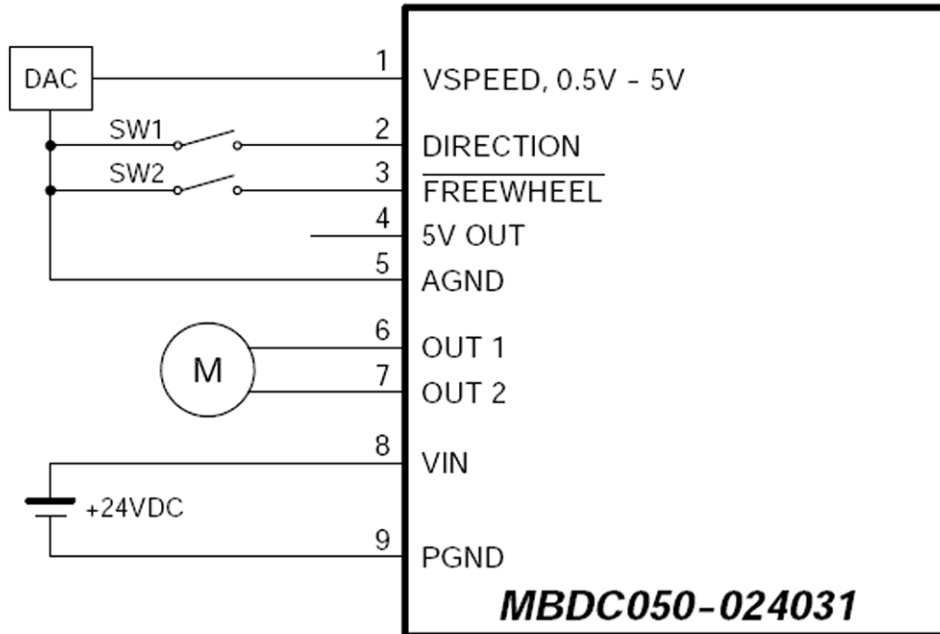
DIMENSIONS



*All units are in inches

L010613

Hookup



Specifications

Vspeed Control: (TB1, Pin 1)	0VDC - Motor Stopped 5VDC - Max Speed (6VDC max)
Control Inputs (TB1, Pins 2 - 3)	TTL-CMOS Compatible Logic "0" = 0-0.8VDC Logic "1" = Open
Direction Control (TB1, Pin 2)	Logic "1" (open) - Clockwise Logic "0" - Counter-clockwise
Freewheel: (TB1, Pin 3)	Logic "1" (open) - Motor is Enabled Logic "0" - Motor is de-energized and will coast
+5VDC Output: (TB1, Pin 4)	10mA Maximum
Power Requirements	8VDC (min) - 35VDC (max)
Output Current Rating: (TB1)	3.0 amperes peak maximum operating current
Operating Temperature:	0°C to 70°C

Additional Ordering Information

Model #	Description
MBDC050-024031	BDC Driver, 3A, 8-36V
PSA24V2.7A	DC Power Supply 24VDC at 2.7 Amps