

## 2035

DC Full/Half Step Drive



### Product Features

- Step & direction
- Full & half step
- Idle current reduction
- Screw terminal connectors
- Dip switch setup
- Enable input (inhibit)
- Optically isolated inputs



### Description

The 2035 step motor drive is a full or half step drive for use with 2-phase stepper motors. The 2035 utilizes three-state switching amplifiers and opto-isolated input circuits. The 2035 also includes an automatic idle current reduction feature that lowers motor current by 50% anytime the motor is left at rest for more than one second. This feature can be disabled.

The 2035 amplifier regulates motor current by chopping at a constant, inaudible frequency. Phase current is selected from 16 levels by a DIP switch. Full or half resolution is also switch selectable.

## Specifications

<b>Model Number</b>	2035
<b>Part Number</b>	1000-052
<b>Supply Voltage</b>	12-35 VDC
<b>Supply Voltage Type</b>	DC
<b>Control Modes</b>	<ul style="list-style-type: none"><li>• Step &amp; Direction</li></ul>
<b>Output Current</b>	0.125-2.0 A/phase
<b>Communication Ports</b>	NA
<b>Encoder Feedback</b>	No
<b>Step Resolution</b>	<ul style="list-style-type: none"><li>• Full</li><li>• Half</li></ul>
<b>Idle Current Reduction</b>	50%
<b>Setup Method</b>	Switch / potentiometer
<b>Digital Inputs</b>	3
<b>Digital Outputs</b>	NA
<b>Analog Inputs</b>	NA
<b>Dimensions</b>	4.0 x 3.0 x 1.5 inches
<b>Weight</b>	9 oz
<b>Operating Temperature Range</b>	0-70 °C
<b>Ambient Temperature Range</b>	0-50 °C
<b>Ambient Humidity</b>	90% max, non-condensing
<b>Status LEDs</b>	1 red (power)
<b>Circuit Protection</b>	NA

## Software

<b>Software Downloads</b>	There is no software related to this product.
<b>Sample Code</b>	There are no sample code documents at this time.

