Model P403 Stepper Motor Driver

General Specification

Model P403 is a high performance microstepping driver suitable for 2-phase and 4-phase hybrid steppers requiring a drive current of up to 3.5A / phase. The design features an advanced bipolar constant-current chopper circuit with current control technology. This driver is suited to stepper motor control applications requiring low noise, low vibration, high speed and high precision.

Key Features

- Supply voltage to +40Vdc, current to 3.5A
- Inaudible 20khz chopping frequency
- TTL compatible and optically isolated input signals
- Automatic idle current reduction
- Mixed-decay current control for reduced motor heating
- 14 selectable step resolutions in decimal and binary
- Microstepping to 51,200 steps/revolution
- Suitable for 4, 6 or 8 lead wire motors
- Overcurrent and overvoltage protected
- Short circuit protected
- Compact size

Additional Specifications

Drive Current:	Adjustable from 1.3A to 3.5A
Supply Voltage:	Input voltage from +24V to +40Vdc
Step Control:	Half step or microstepping
Control Inputs:	Connections for pulse, direction and enable signals
Pulse Signal:	Speed control to maximum frequency 300 kHz
Direction Signal:	Clockwise or counter-clockwise rotation
Enable Signal:	Driver enable or disable
Logic Signals:	Current from 6mA to 30mA
Material:	Black coated aluminium with integral heatsink
Mounting:	Free standing or via mounting holes
Dimensions (WxHxD):	45 x 132 x 76 mm
Mass:	360g

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