ASTROSYN
ADVANCING THE DRIVE TOWARDS MOTOR EFFICIENCY

HIGH PERFORMANCE MICROSTEPPING DRIVER
MODEL P403

- High performance microstepping driver suitable for 2-phase and 4-phase hybrid steppers
- Advanced bipolar constant-current chopper circuit with current control technology
- Suited to motion control applications requiring low noise, low vibration, high speed and high precision.

- 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, overvoltage and short circuit protected
- Compact size

P403 Specification

Electrical

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 300kHz
Direction signal:	Clockwise or counter-clockwise rotation
Enable signal:	Driver enable or disable
Logic signals:	Current from 6mA to 30mA

Mechanical

Material:	Black coated aluminium with integral heatsink
Mounting:	Free standing or via mounting holes
Dimensions (WxHxD):	45 x 132 x 76 mm
Mass:	0.355kg

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