

Model P210 Stepper Motor Driver

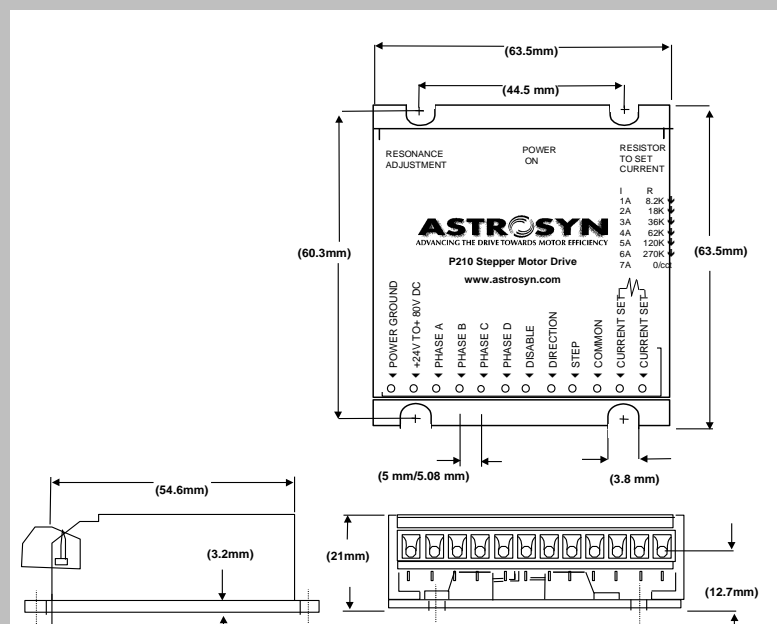
General Specification

Model P210 is a high performance microstepping driver that is extremely compact, despite it's high output current capability. The image shows a P210 driver beside a size 17 hybrid stepper motor. The maximum phase current is up to 7A, which is suited to stepper motors from sizes 17-42.



Key Features

- Supply voltage 24-80Vdc
- Phase current up to 7A
- Automatic idle current reduction to 33% of set current
- Selectable full /half step and 2 microstep options
- Suitable for 4, 6 and 8 wire motors
- Overcurrent and overvoltage protected
- Short circuit protected
- Ultra compact size



Technical Specifications

Drive Current:	Adjustable from 0.3A to 7A
Quiescent Current:	15mA or less
Supply Voltage:	Input voltage from +24V to +80Vdc
Step Options:	Full stepping, half stepping and microstepping at 5 or 10 microsteps per step
Step Rate:	Maximum 200 kHz
Controls:	Low-speed resonance adjustment
Indication:	LED power indicator
Protection:	Opto-isolated step and direction, autocalibration
Heat Dissipation:	Airflow to 3A, requires heatsink mounting above 3A
Operating Temperature:	0°C to +70°C
Humidity Range:	0-95% non condensing
Material:	Black anodised aluminium case
Mounting:	Free standing or via mounting holes
Dimensions (WxHxD):	64 x 64 x 22 mm
Mass:	100g