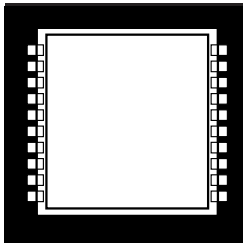


Design Concept

OM9370SP

3 PHASE CLOSED LOOP BRUSHLESS DC MOTOR CONTROLLER IN A SINGLE PLASTIC PACKAGE



Full Featured 3 Phase Closed Loop Motor Controller In A Multi-Chip Surface Mount Or Dual In-Line Package. Ideally Suited For Driving Power MOSFET Stages

FEATURES

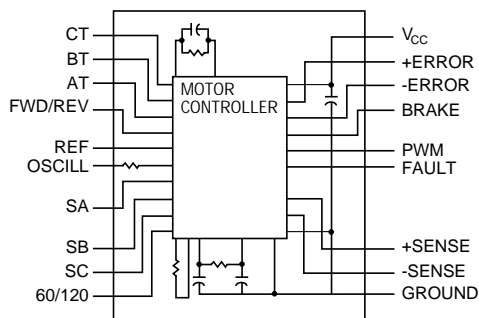
- Internal Speed Control Integrator
- Preset Frequency Oscillator
- Reverse And Forward Control
- 10 To 30 Volt Operation
- Under Voltage Shutdown
- Cycle By Cycle Current Limiting
- Under Voltage Lockout
- Internal Thermal Shutdown
- Selectable 60°/300° Or 120°/240° Phasing

DESCRIPTION

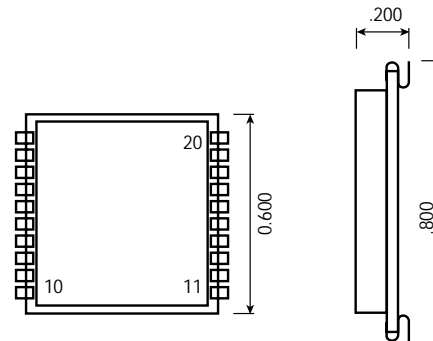
This series of basic controllers is ideally suited for 3 phase six step motor application where size and performance are key. The OM9370SP has a preset switching frequency of 25kHz. The outputs are configured to drive P and N Channel Power MOSFET stages or Bipolar Power Transistors. With an external sense resistor the motor is protected against short circuit conditions. This device is ideally suited for high density surface mount applications.

2.1

SCHEMATIC



MECHANICAL OUTLINE



Note: The product design and detailed specifications are not yet finalized as of this data book printing. For additional information, please contact you sales representative or Omnirel Corporation.