

ANALOG BRUSHLESS PWM SERVO AMPLIFIERS FEATURES & OPTIONS

- **Ergonomic design** Easy access to connections, adjustments and test points.
- **SMT construction** Provides ultra compact size, cost competitive package and high reliability.
- **Silent operation** 20 kHz PWM (Pulse Width Modulation) standard.
- **Complete isolation** Complete optical isolation between signal and power stage.
- **Multimode operation** The Trapezoidal and 2-Phase/3-Phase Current Mode servo amplifiers can operate in current (torque) mode and the Resolver Based Sinusoidal servo amplifiers can operate in either current (torque) or velocity (RPM) mode.
- **Wide operating voltage** Operating voltages range from either 70-240 or 240-340 VDC for Module and 3U Plug-In configurations and either 110-130 VAC or 208-240 VAC for Stand Alone and Multi-Axis configurations.
- **Direct AC operation** No transformer required for stand-alone units or multi-axis chassis. The stand-alone units and multi-axis chassis include DC bus power supply, regen clamp and dumping resistor, in-rush current limiting protection at power-on and cooling fans.
- **Three basic versions** Available in Trapezoidal, 2-Phase/3-Phase Current Mode and Resolver Based Sinusoidal commutated versions.
- **Fault protection** Short from output to output, short from output to ground, amplifier RMS over current, amplifier over voltage and amplifier over temperature.
- **Industry std. mounting** Available in Module, Stand Alone, Multi-Axis and 3U Plug-In configurations. Optional custom mounting configurations are available to meet virtually any requirement.
- **LED status indicators** A green LED illuminates to display normal operating conditions while red LED's illuminate or flash to indicate various faults.
- **Dedicated inputs** +/- limits, inhibit, fault, motor over temperature and reset.
- **External fault reset** An input is provided to reset the amplifier in the event of a fault.
- **Current limit** Peak motor current is adjustable.
- **Bandwidth** All servo amplifiers have a maximum 3000 Hertz current loop bandwidth which varies with the motor inductance.
- **CE compliant** All servo amplifiers are CE marked.