

# LINEAR BRUSHLESS SERVO AMPLIFIERS

- **Ergonomic design** Easy access to connections, adjustments and test points.
- **SMT construction** Provides ultra compact size, cost competitive package and high reliability.
- **Bandwidth** All servo amplifiers have a nominal 4000 Hertz current loop bandwidth which varies with the motor inductance. Higher bandwidths are available upon request.
- **Linear output stage** Provides high bandwidth, low noise and zero crossover distortion.
- **Multimode operation** The Trapezoidal and 2-Phase/3-Phase Current Mode servo amplifiers can operate in current (torque) mode. In addition, the Trapezoidal servo amplifier can close the velocity loop via feedback of a DC tachometer.
- **Wide operating voltage** Operating voltages range from either +/-24 to +/-70 VDC for Module configurations and 17 to 50 VAC for Stand Alone and Multi-Axis configurations.
- **Industry std. mounting** Available in Module, Stand Alone or Multi-Axis configurations. Optional custom mounting configurations are available to meet virtually any requirement.
- **Two basic versions** Available in Trapezoidal and 2-Phase/3-Phase Current Mode commutated versions.
- **Fault protection** Short from output to output, short from output to ground, amplifier RMS over current, amplifier under/over voltage, amplifier over temperature and motor over temperature.
- **Status indicator** 7-segment display indicates amplifier status and diagnostics.
- **Dedicated inputs** +/- limits, inhibit, fault, motor over temperature and reset for SMA6110. Inhibit, fault, motor over temperature and reset for SMA6310.
- **External fault reset** An input is provided to reset the amplifier in the event of a fault.
- **Current limit** Peak motor current is adjustable.
- **CE compliant** All servo amplifiers are CE marked.