

STEPPER DRIVE MODEL MSST5-S

- Multi working Modes
- Microstep Resolution from 1 to 256
- Low Vibration
- Extremely Compact, Large power output
- Low Noise
- Software Configuration
- Low Thermal Generation
- Strong Protection, High Reliability
- High Speed and Torque Output
- CE, RoHS



Specification

Power Amplifier

Amplifier Type: MOSFET, Dual H-Bridge, 4 Quadrant
 Current Control: 4 state PWM at 20 KHz
 Output Current: 0.1 – 5.0 amps/phase (peak value) in 10 mA increments
 Input Voltage Range: 24 - 48 VDC
 Protection: Over-Voltage, under-voltage, Over-temp, External Output shorts (phase to phase, phase to ground), Inter Amplifier Shorts
 Idle Current Reduction: Selectable to any percentage of full current.

Controller

Non-Volatile Storage: Configurations are saved in FLASH memory aboard the DSP
 Mode of Operation: Step & direction, CW/CCW, Encoder following, Oscillator, Joystick, SCL
 Step and Direction Inputs: Optically Isolated, Differential, 5 Volt, Minimum pulse width = 250 ns. Maximum pulse frequency = 2 MHz
 EN Input: Function: Step & Direction, Run/Stop & Direction, Jog CW&CCW or CW & CCW limits
 Optically Isolated, 5 – 12 Volt
 Output: Function: Motor enable, Speed select, Alarm Reset or Home switch
 Optically isolated, 24V, 10 mA MAX
 Function: Fault, Motion, Tach, or Brake
 Speed Range: Depends upon selected resolution, Amplifier is suitable for speeds up to 50 rps.
 Analog Input Range: 0 to 5V
 Microstep Resolution: Software selectable from 200 to 51200 steps/rev.
 Communication Interface: RS-232 or RS485

