

MLA10641 - Microstep Driver

FEATURES

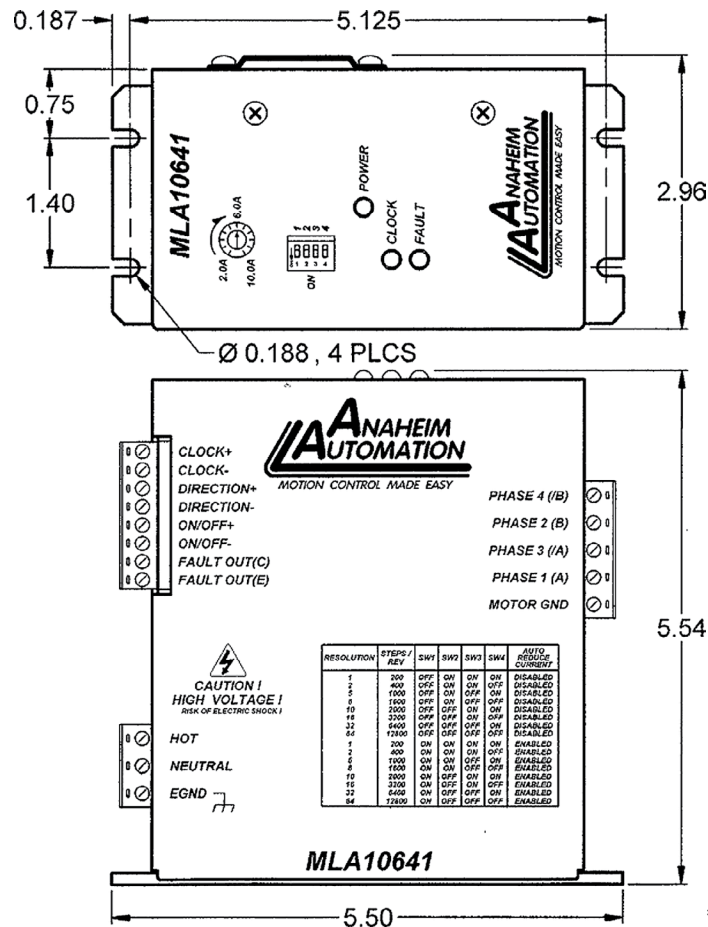
- Line-Powered Microstep Driver
- High Torque Output
- Output Current 10.0 Amps Peak
- 200 to 12,800 steps/rev
- Short Circuit Protection
- Over-Temperature and Over-Voltage Shutdown
- No Minimum Inductance
- Optical Isolation
- Motor ON/OFF Input
- RoHS Compliant



DESCRIPTION

The MLA10641 High Performance Microstepping Driver has an output current capability of 2.0 Amps minimum to 10.0 Amps maximum (Peak Rating). The MLA10641 driver operates with an AC voltage of 90-132 Volts. The inputs are optically isolated with a minimum sourcing of 7.0 mA per input (+5VDC minimum to +24VDC maximum). The clock input is set to receive either positive or negative edge clocks with a maximum frequency of 400KHz. The MLA10641 driver offers direction control and motor current ON/OFF capabilities. The Reduce Current Enabled automatically reduces motor current to 50% of set value after the last step is made. The driver has built-in features to indicate power on (Green LED), Clocks being received (Yellow LED) and fault conditions (Red LED). It is highly recommended to use the external line filter included with purchase.

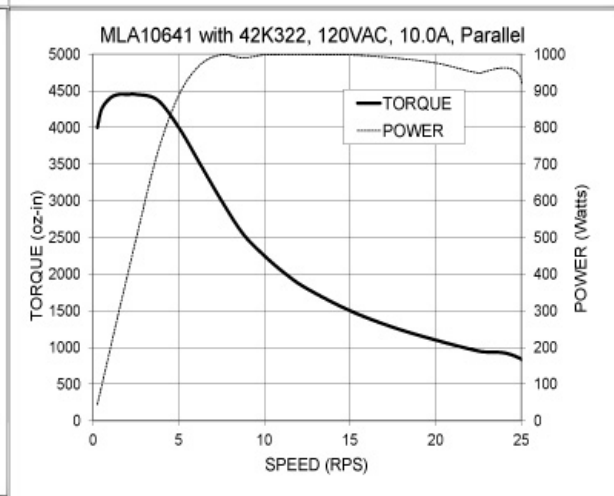
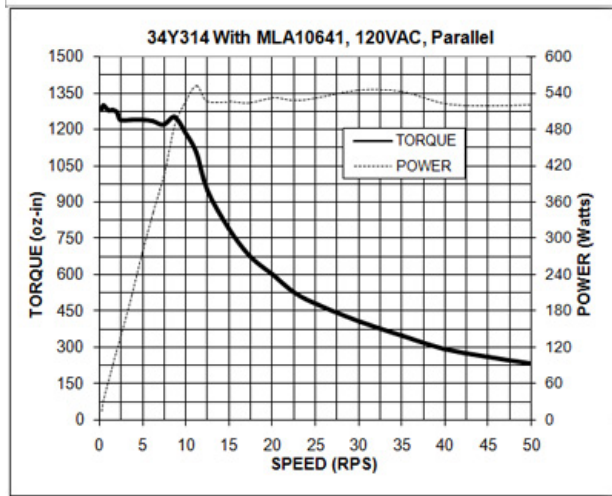
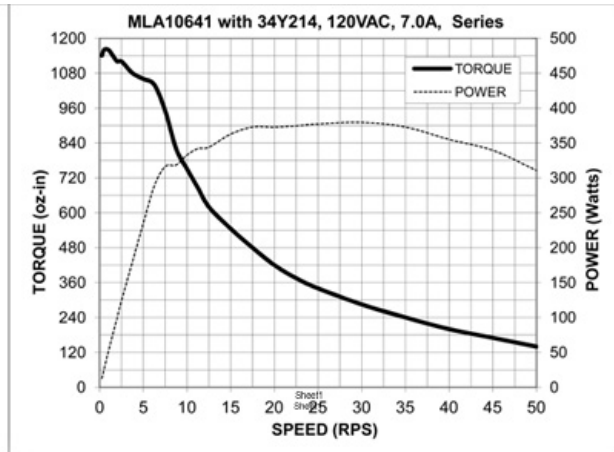
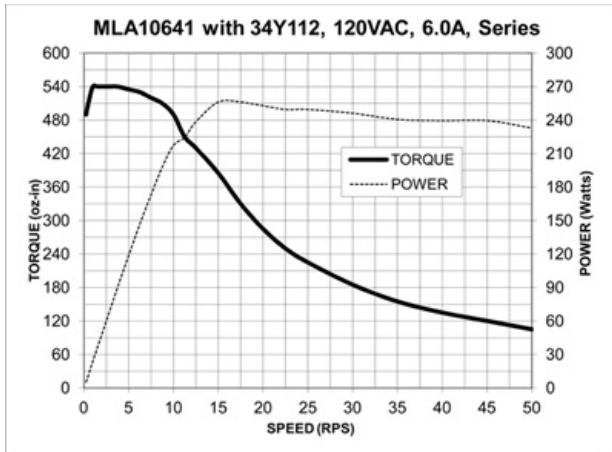
DIMENSIONS

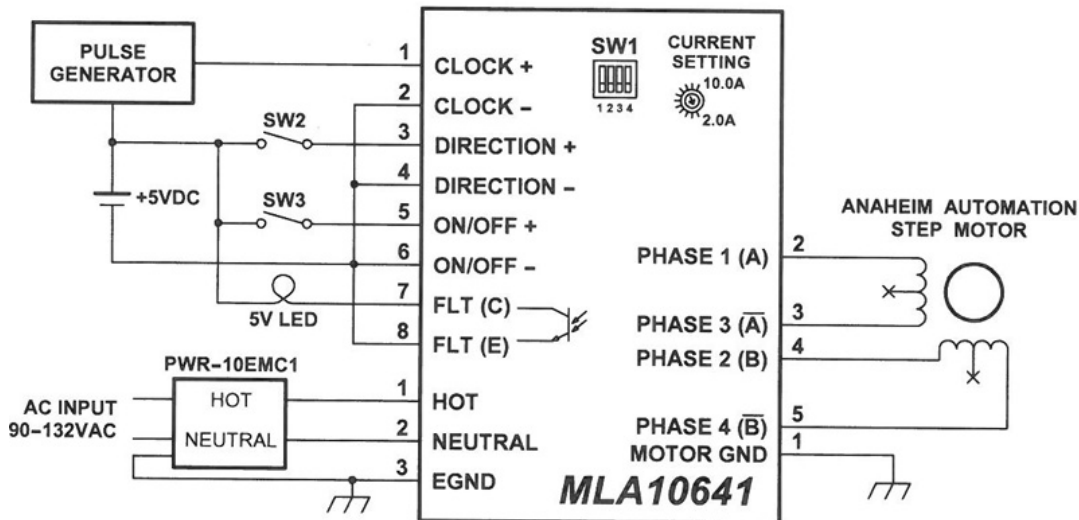
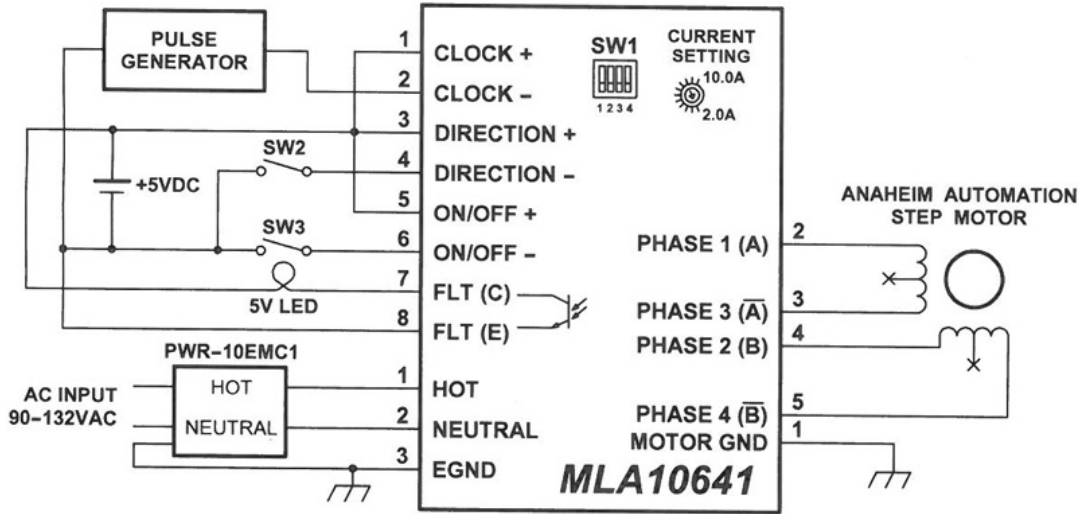


*All units in inches

L011988

Torque Speed Curves





Specifications

Power Requirements:	90 - 132VAC
Output Current Range:	2.0 - 10.0 Amps (Peak)
Microstepping Resolution:	200 - 12,800 Steps/Revolution (1, 2, 5, 8, 10, 16, 32 and 64 selectable step operations)
Input Signal Voltage:	5.0 - 24.0 VDC
Input Clock Frequency:	0 - 400 KHz
Minimum Input Current: (Isolated Inputs)	7.0mA
Storage Temperature:	0° to + 50° C
Absolute Maximum Driver Temperature:	70° C
Driver Type:	Bipolar, Compatible with 4, 6, and 8 Lead Motors. Series or Parallel connection.