

MLP07081-5 Specifications

Driver Type	Packaged Line Operated bipolar chopper driver
Chop Frequency	21KHz Typical
Output Device Type	MOSFET and IGBT
Number of Phases	Two phase output, Full/half step and microstep

Physical Characteristics

Size (Inches)	2.44 wide x 7.75 high x 5.92 deep
Size (mm)	62 wide x 197 high x 151 deep
Weight	3.5 Lbs

Input Power

Power Required	95 - 132 VAC , 50/60Hz
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Output

Peak Current	2 to 7 amps , Set by Potentiometer
Resolution Capabilities	full-step (200ppr), half-step (400ppr), 1/4 (800ppr), 1/8 (1600ppr)

Control Inputs / Outputs

Pulse Input	Sinking and Sourcing - Optocoupler Maximum frequency - 100Khz Isolated Sinking Input Current - (5V @ 1.8mA - 24V @ 22.8mA) Isolated Sourcing Input Current - (5V @ 1.8mA - 24V @ 22.8mA)
All Other Inputs	Isolated Sinking Input Current - (5V @ 1.8mA - 24V @ 22.8mA) Isolated Sourcing Input Current - (5V @ 1.8mA - 24V @ 22.8mA)
Outputs	Isolated 5Vdc Output at 100mA
Fault Output	VCE: 35VDC VEC: 0.5VDC IC: 20mA

Protection

Short Circuit	Phase to Phase
Open Circuit	Open Phase or Wrong Motor Connection
Over Voltage	Input Voltage too High (Above 132VAC)
Over Temperature	Over Temperature of Heat Seat
No Power LED	Internally Fused

Motor Requirements

Anaheim Automation Motor Sizes	(34 and 42 frame)
Phase Inductance Range	6.1mH min

Environmental

Temperature	Drive heatsink max. 158F (70°C) Operating Temperature 0 - 158F (0 -70°C)
Humidity	0 - 95%, non-condensing

Low Power Mode

Auto Reduce	DIP Switch Enabled, Current drops to 70% of selected value
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Design Features

Flat Surface mounting
Switch selectable Resolution setting and Potentiometer current adjust