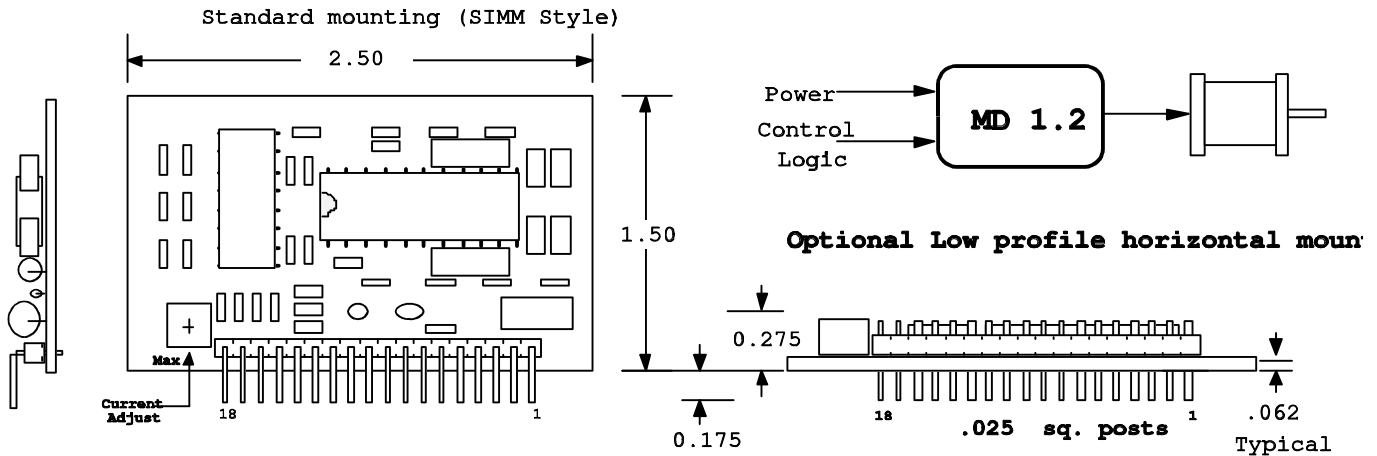


MD 1.2 High Performance Mini Stepper Motor Driver.

The MD 1.2 is a high performance 0 - 1.7 Amp peak (1.2A RMS) miniature stepper motor driver that is not only cost effective but powerful enough to handle the most rigorous applications. Through proven state of the art technology the MD 1.2 delivers the power effectively and efficiently (bipolar chopper drive with power reduction at stand still). At 0.275" above board height (horizontal mount) the MD 1.2 allows for easy integration into instrumentation, VME and European rack mount systems. Our two mounting options allow for the most flexible use of valuable space in a modular environment. Fully compatible with matching TMG controller. Compatible with standard stepper motors (4,6 or 8 wire).



PIN Functions

1. Motor coil -A Output	7. -VMM Motor Return	13. Step pulse input
2. Motor coil +A Output	8. -VCC supply Return	14. +Control supply (+VCC out)
3. Motor coil -B Output	9. +VCC Logic supply	15. -Control return
4. Motor coil +B Output	10. Inhibit (Free windings)	16. -Return (spare)
5. Key	11. External Parking input	17. -Return (spare)
6. +VMM Motor supply	12. Direction input	18. -Return (spare)

Specifications -

Electrical

Input Voltage - Logic	+5 VDC (TTL)
Input Voltage - Motor	+12 to 48 VDC
Output Current (Adjustable)	0 to 1.7Amps peak (1.2 Amps RMS)
Step Frequency	13 KHz
Step size	Full & Half
Protection	Over-Temp, Over-Voltage, Over-Current
Current Reduction at standstill	Automatic: 0.5 sec after last step input. Selectable ratio.

Temperature

Operating	0 to +70 C
Storage	-40C to +125C
Mounting surface	0 to 70C

Note: For continuous operation at slow speeds and max currents optional heatsink or cooling required to maintain driver temperature below +70C.