

Advanced Photon Source



AOD Beamline Controls Group

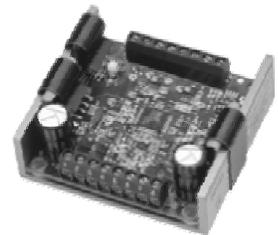
IMS IM483 Microstepping Driver

The IM483 is a high performance, low cost microstepping driver that incorporates advanced surface mount and ASIC technology. The IM483 is small, easy to interface and use, yet powerful enough to handle the most demanding applications.

Features:

- Extremely Small (2.7 x 3.0 x 1.2 in.) (70 x 69 x 31 mm)
- High Input Voltage (48V)
- High Output Current (3 Amps RMS, 4 Amps Peak)
- Advanced Surface Mount and ASIC Technology
- No Minimum Inductance
- Single Supply
- Up to 10 MHz Step Clock Rate
- Opto-Isolated Inputs
- Fault Output
- Short Circuit and Over Temperature Protection
- Up to 51,200 Steps/Rev
- Microstep Resolutions Can Be Changed On-The-Fly without Loss of Motor Position
- 20 kHz Chopping Rate
- Automatically Switches Between Slow and Fast Decay for Unmatched Performance
- 14 Selectable Resolutions Both in Decimal and Binary
- Adjustable Automatic Current Reduction
- Optional On-board Indexer and Encoder Feedback

IM483



<http://www.imshome.com>