



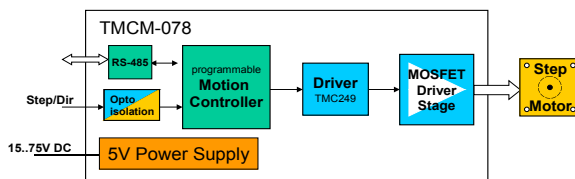
# TMCM-078

**1-Axis  
Step / Direction Driver  
7A / 75V**

**INFO** The TCMC-078 is a high power single axis step / direction step- per motor driver. The TCMC-078 can be operated with supply voltages of up to 75V and up to 7A RMS (9.8A peak) motor coil currents. All major parameters can be set via DIP switches. Up to 256 micro-steps are supported for either high accuracy or high speed. The system features sensorless stall detection (stallGuard™). The module is fully protected and comes with a stand-alone reference search feature. The housing is based on an aluminium plate which is used as a heatsink. All inputs and outputs are accessible either via screw connectors or by high density (2 mm) JST connectors.

### MAIN CHARACTERISTICS

- ELECTRICAL DATA**
  - up to 7A RMS coil current (9.8A peak)
  - supply voltage 15V to 75V DC
- SUPPORTED MOTORS**
  - two-phase bipolar stepper motor with 0.7A to 7A RMS coil current
- INTERFACE**
  - differential Step / Direction input
  - driver disable input
  - input for reference switches
  - general purpose input / output
- FEATURES**
  - optically isolated inputs for Step, Direction and Disable
  - up to 256 micro-step resolution (adjustable)
  - adjustable standby current
  - stallGuard™ for reference search
  - full protection / diagnostics
  - RS485 host interface for optional use
- OTHER**
  - pluggable screw terminal connectors for all signals with high density JST alternative
  - robust aluminum housing
  - RoHS compliant
  - size: 145 x 96 x 33 mm



ORDER CODE	DESCRIPTION
<b>TMCM-078</b>	1-axis step / direction driver module 75V, 7A
<i>Related products:</i>	<i>USB-2-485</i>