Dual Stepper Motor Driver

NJM3775 DATA SHEET

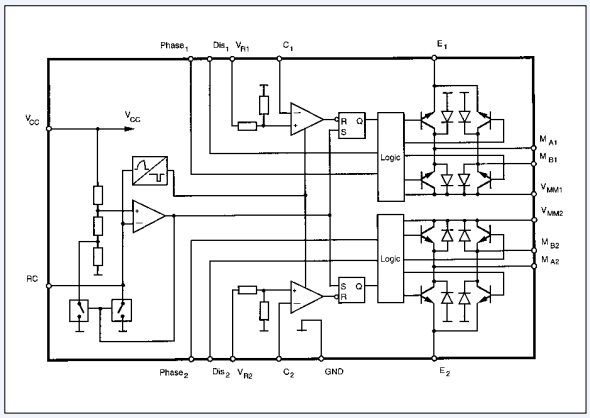
GENERAL DESCRIPTION

The NJM3775 is a switch-mode (chopper), constant-current driver with two channels: one for each winding of a two-phase stepper motor. The NJM3775 is equipped with a disable input to simplify half-stepping operation. The NJM3775 contains a clock oscillator, which is common for both driver channels, a set of comparators and flip-flops implementing the switching control, and two output H-bridges, including recirculation diodes. Voltage supply requirements are + 5V for logic and + 10 to + 45V for the motor. Maximum output current is 750mA per channel.

FEATURES

- Dual chopper driver in a single package
- 750 mA continuous output current per channel
- Digital filter on chip eliminates external filtering components
- Package DIP22/EMP24(Batwing)/PLCC28

EQUIVALENT CIRCUIT



Dual Stepper Motor Driver

NJM3777 DATA SHEET

GENERAL DESCRIPTION

The NJM3777 is a switch-mode (chopper), constant-current driver with two channels: one for each winding of a two-phase stepper motor. The NJM3777 is equipped with a disable input to simplify half-stepping operation. The NJM3777 contains a clock oscillator, which is common for both driver channels, a set of comparators and flip-flops implementing the switching control, and two output H-bridges, including recirculation diodes. Voltage supply requirements are + 5V for logic and +10 to +45V for the motor. Maximum output current is 900mA per channel.

FEATURES

- Dual chopper driver in a single package
- 900 mA continuous output current per channel
- Digital filter on chip eliminates external filtering components
- Package EMP24

EQUIVALENT CIRCUIT