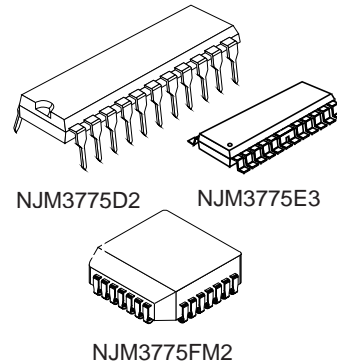


DUAL STEPPER MOTOR DRIVER

■ 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. 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 + 5 V for logic and + 10 to + 45 V for the motor. Maximum output current is 750mA per channel.

■ PACKAGE OUTLINE



■ FEATURES

- Dual chopper driver
- 750 mA continuous output current per channel
- Digital filter on chip eliminates external filtering components
- Packages DIP22 / PLCC28 / SOP24 JEDEC 300mil (Batwing)

■ BLOCK DIAGRAM

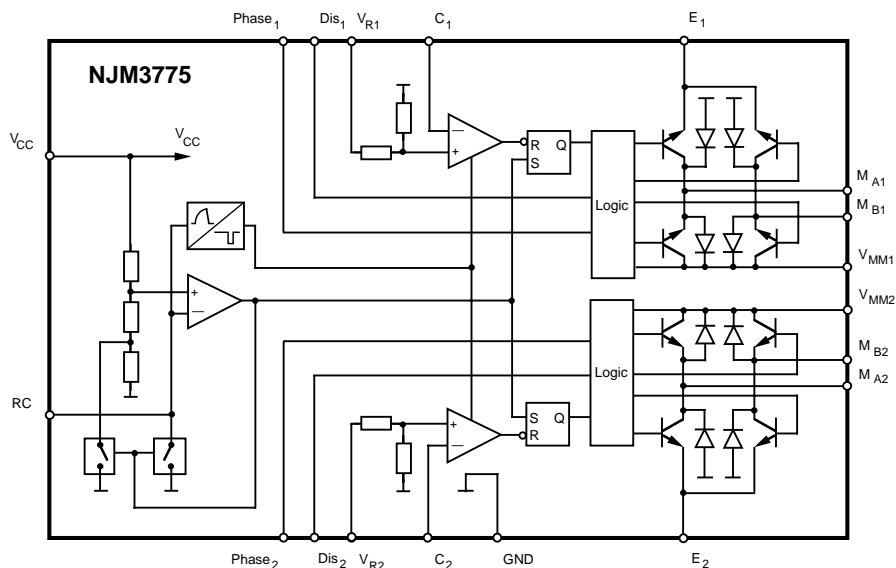


Figure 1. Block diagram