



NJW4372

Pulse Input Stepper Motor Driver

■ GENERAL DESCRIPTION

The NJW4372 is a bipolar drive stepper motor driver IC characterized as highly efficient. The control method used is a simple pulse train input control (STEP & DIR) method of programming. The drive stage consists of DMOS H bridges.

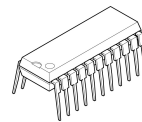
Therefore, motor drive application circuit is composed of highly effective and low heating value. Supply / interface voltage corresponds to the logic, 3.3V / 5.0V. NJW4372 has PWM current control circuits, Torque set, Enable and PD functions.

The functions are easy and convenient to operate and suitable for a wide range of applications.

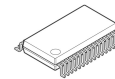
■ FEATURE

- Supply Voltage : 2.7V ~ 5.5V
- Motor Supply Voltage : 10V ~ 38V
- Output Current : 500mA / ch
- ON Resistance Output : $R_O = 1.65\Omega$ (typ.)
- Quiescent Current : $I_{DD} = 300 \mu A$ (typ.)
- Pulse Input (STEP & DIR) Control
- TTL Compatible Input
- ENABLE / PD(Power down and Reset) function
- PWM Constant Current Control Circuit
- Torque Control Function (TOR)
- Protection Circuit : UVLO, THD
- Package : SDIP-22 / SSOP32

■ PACKAGE OUTLINE



NJW4372L



NJW4372V

■ BLOCK DIAGRAM

