

PWM control Step-Up / Flyback switching regulator IC

■GENERAL DESCRIPTION

The **NJU7600** is a low voltage operation high-speed switching regulator control IC for PWM control step-up and fly-back converter. It incorporates a totem pole driver output, which can directly drive an external MOS-FET easily. The NJU7600 also has a soft-start function, dead time control and timer latch for short circuit protection and their times are all adjustable with external parts. It is available in 8-lead DMP, MSOP (TVSP) packages and 10-lead MSOP (TVSP) package. It is suitable for battery powered applications.

■FEATURES

- PWM switching control
- Operating Voltage 2.2V to 8V
- Wide Oscillator Range 300kHz to 1MHz
- Maximum Duty Cycle 90% typ.
- Quiescent Current 800 μ A typ.
- Soft-Start Function Internal : 16ms typ. or adjustable
- Dead Time Control
- Timer Latch for Short Circuit Protection
- C-MOS Technology
- Package Outline NJU7600M : DMP8
 NJU7600RB1 : MSOP8 (TVSP8)*
 NJU7600RB2 : MSOP10 (TVSP10)*
 *MEET JEDEC MO-187-DA / THIN TYPE

■PIN CONFIGURATION

PIN FUNCTION

1. V⁺
2. N.C.
3. FB
4. IN

■PACKAGE OUTLINE

■PRODUCT VARIATION

