

Step-Up / Flyback switching regulator IC with standby function

■GENERAL DESCRIPTION

The **NJU7602** is a low voltage operation high-speed switching regulator control IC for step-up and flyback converter, with a standby function. It incorporates a totem pole output, which can drive an external MOS-FET easily. The NJU7602 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. Further the internal standby function minimize the current during non-active condition. It is available in 8-lead DMP and MSOP (TVSP) packages, and it is suitable for battery powered applications.

■PACKAGE OUTLINE

■FEATURES

- PWM switching control
- Standby Function
- Operating Voltage 2.2V to 8V
- Wide Oscillator Range 300kHz to 1MHz
- Maximum Duty Cycle 90% typ.
- Quiescent Current Operating :800 μ A typ.
 Standby :1 μ A max.
- Soft-Start Function Internal :16ms typ. or adjustable
- Dead Time Control
- Timer Latch for Short Circuit Protection
- C-MOS Technology
- Package Outline NJU7602M : DMP8

NJU7602RB1 : MSOP8 (TVSP8)*

*MEET JEDEC MO-187-DA/ THIN TYPE

■PRODUCT VARIATION

** Planning

■PIN CONFIGURATION

PIN FUNCTION

1. V⁺
2. FB
3. IN