

Switching Regulator Control IC for Step-Down

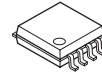
■GENERAL DESCRIPTION

The NJM2309 is a step-down Switching regulator IC with a wide operating voltage range.

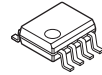
It features an open collector driver that can provide step-down applications.

Internal soft-start function and timer latch function for short circuit protection are included, requiring no external components.

■PACKAGE OUTLINE



NJM2309M
(DMP8)



NJM2309E
(SOP8)



NJM2309V
(SSOP8)

■FEATURES

- PWM switching control
- Operating Voltage 3.6V to 32V
- Wide Oscillator Range 5kHz to 500 kHz
- Duty Cycle 0% to 100%
- Soft Start function
- Timer Latch for Short Circuit Protection
- Under Voltage Lockouts (U.V.LO)
- Bipolar Technology
- Package Outline NJM2309M : DMP8
- NJM2309E : SOP8 JEDEC 150mil
- NJM2309V : SSOP8

■BLOCK DIAGRAM

