

Inverting Charge Pump IC

■ GENERAL DESCRIPTION

The NJW4191 is the inverting charge pump IC that operates wide 4.7V to 17V input range. With only the external part of an input/output capacitor and a charge pump capacitor, can compose the inverting voltage circuit. It has a high current capability and a corresponding to small-sized capacitor compared with conventional product such as popular 7660/7662.

For usability, it has ON/OFF function, Output Voltage Adjustable function and external synchronous function.

The NJW4191 is suitable for the bias voltage of a liquid crystal panels, CCD, sensors and operational amplifiers.

There is the NJW4190 for doubler voltage output application.

■ PACKAGE OUTLINE



NJW4191R



NJW4191M

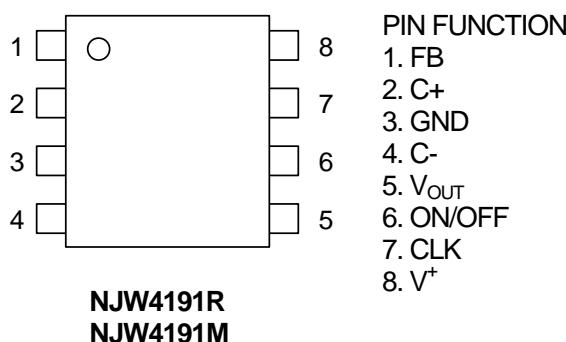
■ FEATURES

- Inverted Output -17V max.
- Wide Operating Voltage Range 4.7V to 17V
- Maximum Output Current 55mA max.
- Correspond to Ceramic Capacitor (MLCC)
- V_{OUT} Programmable
- ON/OFF Function
- Built-in Oscillation Circuit 300kHz typ.
- External Synchronization Function divide-by-4 counter (A ver.)
- Thermal Shutdown
- Function Compatible to NJU7660/NJU7662 Inverting Circuit*
- Package Outline NJW4191R : MSOP8 (VSP8)**
 NJW4191M : DMP8

* The NJW4191 is not pin compatible to NJU7660/62.

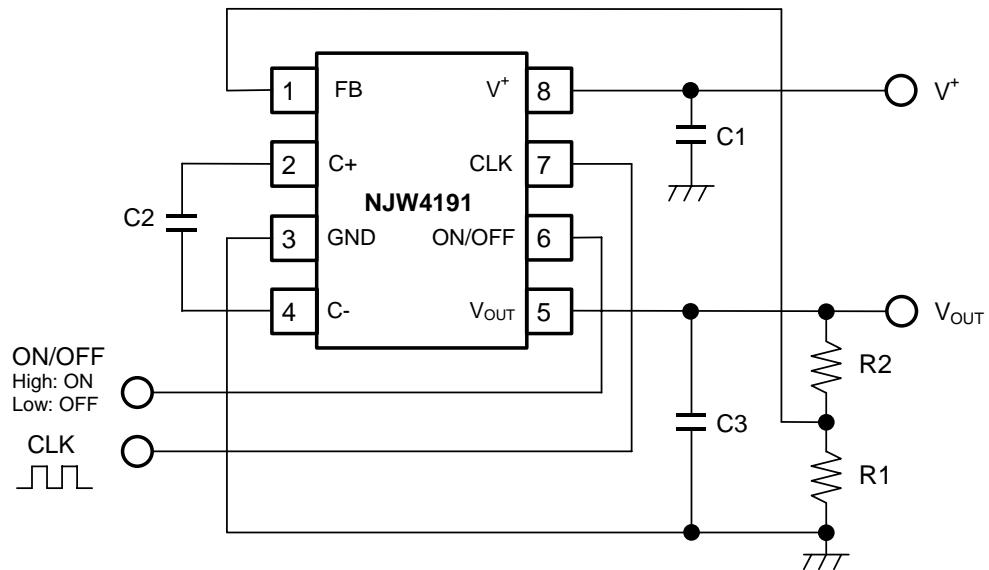
** MEET JEDEC MO-187-DA

■ PIN CONFIGURATION

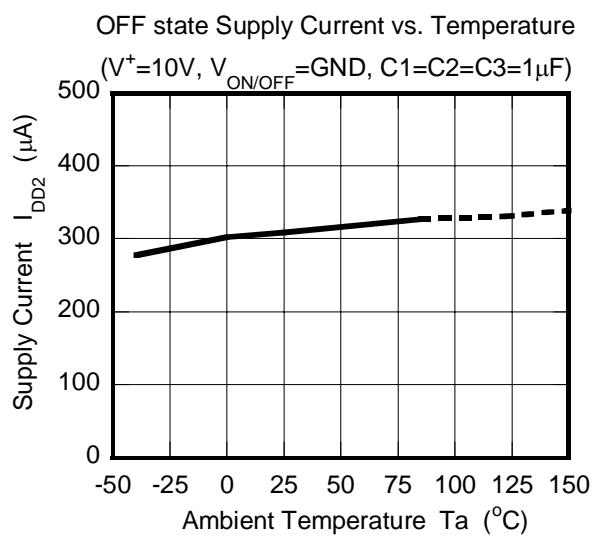
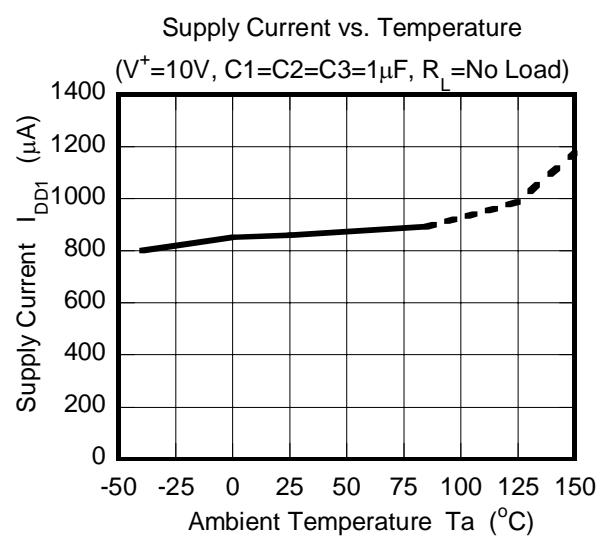
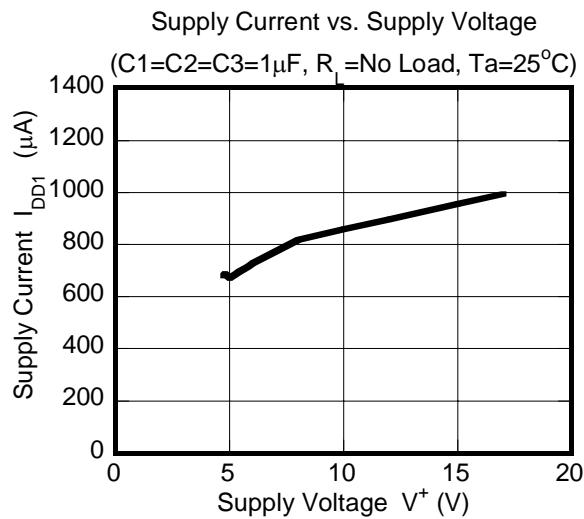


NJW4191

■ TYPICAL APPLICATION



■ CHARACTERISTICS



MEMO

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