



LinearDimensions
SEMICONDUCTOR

LND5205

Ultra Low Noise LDO

GENERAL DESCRIPTION

The LND5205 is an ultra low noise low dropout regulator (LDO) with 150mA current capability and low dropout (150mV at full load).

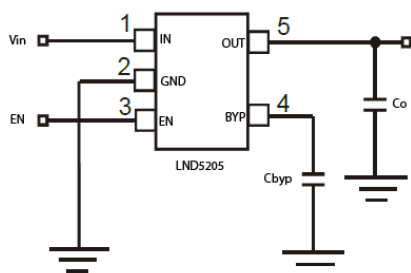
The LND5205 offers <1% initial accuracy and includes an Enable pin which reduces quiescent current to near “zero” current when shutdown.

The LND5205 includes reverse battery protection, current limiting, and thermal shutdown protection.

The LND5205 is available in a space saving SOT23-5 package with fixed output voltage versions ranging from 1.8V to 12V.

The LND5205 operates over a $T_j = -40$ to 125°C temperature range.

TYPICAL APPLICATION



FEATURES

- Ultra-low noise output
- 1% Initial Accuracy
- Guaranteed 150mA current output
- Low quiescent current
- Low dropout voltage
- Tight load and line regulation
- Current limit
- Thermal protection
- Reverse battery protection
- “Zero” off mode current
- Enable pin

APPLICATIONS

- Cellular phones
- Laptop, notebook and tablets
- Portable Electronics

PACKAGE

