



# Rail to Rail Input-Output VCOM Buffer

## Features

- Single-Supply Operation: 6V to 16V
- Supply Current: 1.5mA
- Offset Voltage: 12mV
- Input Capability Beyond the Rails
- Rail-to-Rail Output Swing
- Peak Output Current: 500mA
- Unity Gain Stable with 0.47μF and Higher Load Capacitance
- Over Temperature Protection
- SOT-23-5, SOT-23-6 and TSOT-23-6 Package

## Applications

- LCD Reference Drivers
- Portable Electronics
- Communications Equipment

## General Description

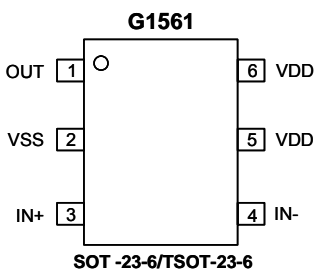
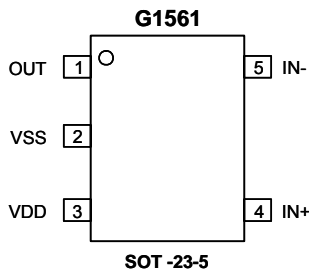
The G1561 is an input/output rail-to-rail VCOM buffer using the single power supply from 6V to 16V, and only consume 1.5mA. This amplifier is with fast slew rate and high >500mA peak current drive capability. The fast transition responses and excellent AC performances of the G1561 make it suitable for the LCD VCOM buffers applications. It was designed to drive above 0.47μF capacitive loads and still remain stable. The G1561 is available in a SOT-23-5, SOT-23-6 and TSOT-23-6 package.

## Ordering Information

ORDER NUMBER	MARKING	TEMP. RANGE	PACKAGE (Green)
G1561T11U	1561x	-40°C to 85°C	SOT-23-5
G1561TB1U	1561x	-40°C to 85°C	SOT-23-6
G1561TP1U	1561x	-40°C to 85°C	TSOT-23-6

Note: T1: SOT-23-5 TB: SOT-23-6 TP: TSOT-23-6  
 1 : Bonding Code  
 U: Tape & Reel

## Pin Configuration



## Typical Application Circuit

