

0.9Ω Dual SPST Analog Switch

Features

- Isolation in Powered-Down Mode, $V_{+}=0$
- Low ON-State Resistance (0.9Ω)
- Control inputs Are 5.5V Tolerant
- Low Charge Injection
- Excellent ON-State Resistance Matching
- 1.65V to 5.5V Single-Supply Operation
- Low Total Harmonic Distortion (THD)
- Low supply Current ($<0.8\mu A$)
- 8 pin WLCSP, VSSOP and TDFN package

General Description

The G3102 is a low on-resistance, dual SPST (Single-Pole/Single-Throw) analog switch that operates from a 1.65V to 5.5V supply. The device offers a low ON-state resistance and an excellent ON-state resistance matching. The device has excellent low total harmonic distortion (THD) performance and consumes very low power. These features make this device suitable for portable audio applications.

Applications

- Cell Phones
- PDAs
- Portable Instrumentation
- Audio and Video Signal Routing
- Low-Voltage Data-Acquisition Systems
- Communication Circuits
- Modems
- Hard Drives
- Computer Peripherals
- Wireless Terminals and Peripherals

Ordering Information

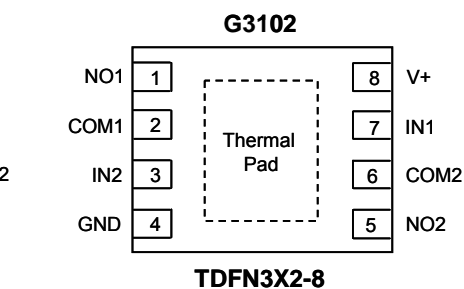
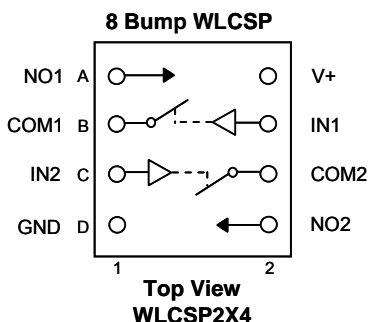
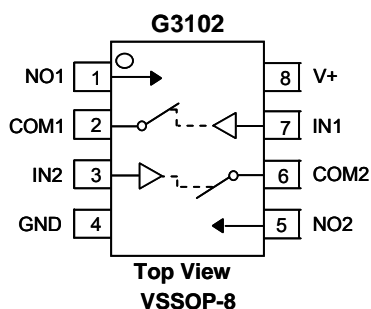
ORDER NUMBER	MARKING	TEMP. RANGE	PACKAGE (Green)
G3102V11U	312x	-40°C to 85°C	VSSOP-8
G3102B31U	312x	-40°C to 85°C	WLCSP2X4-8
G3102KC1G	3102	-40°C to 85°C	TDFN3X2-8

Note :V1: VSSOP-8 B3: WLCSP2X4 KC: TDFN3X2-8

1: Bonding Code

U&G: Tape & reel

Pin Configuration



Note: The internal circuit is isolated from the Thermal Pad.