

0.75Ω SPDT Analog Switch

Features

- Low ON-State Resistance 0.75Ω at 4.5V Vcc
- 2.25V to 5.5V Power Supply (V₊)
- Isolation in Power-Down mode
- 1.65V to 1.95V Logic Supply (V_{IO})
- Control Inputs Referenced to V_{IO}
- Low Charge Injection
- Excellent ON Resistance Matching
- Low supply Current (<1μA)
- Break-before-make enable circuitry
- WLCSP2X4-8 package
- COM Port to GND 8KV HBM ESD

Applications

- Cell Phones
- PDAs
- Portable Instrumentation

General Description

The G3207 is a low on-resistance, SPDT (Single-Pole/Double-Throw) analog switch that operates from a 2.25V to 5.5V supply. The device offers an excellent ON-resistance matching, and low total harmonic distortion (THD) performance. The device is designed for fast switching speeds with the break-before-make feature to prevent signal distortion during the transferring of signal from one channel to another. These features make this device suitable for portable audio applications. The G3207 has a separate logic supply pin (V_{IO}) that is characterized to operate from 1.65V to 1.95V. V_{IO} powers the control circuitry, which allows the G3207 to be controlled by 1.8V signals.

The G3207 is available in the WLCSP2X4-8 package.

Ordering Information

ORDER NUMBER	MARKING	TEMP. RANGE	PACKAGE (Pb free)
G3207B31U	3207	-40°C to 85°C	WLCSP2X4-8

Note: B3: WLCSP2X4-8
 1: Bonding Code
 U: Tape & reel

Pin Configuration

