

**Dual 0.75Ω SPDT Analog Switch****Features**

- Low ON-State Resistance 0.75Ω at 4.5V Vcc
- 2.25V to 5.5V Power Supply (V<sub>v</sub>)
- Isolation in Power-Down mode
- 1.65V to 1.95V Logic Supply (V<sub>IO</sub>)
- Control Inputs Referenced to V<sub>IO</sub>
- Low Charge Injection
- Excellent ON Resistance Matching
- Low supply Current (<1μA)
- Break-before-make enable circuitry
- WLCSP3X4-12 package
- COM1 Port to GND 8KV HBM ESD
- COM2 Port to GND 8KV HBM ESD

**Applications**

- Cell Phones
- PDAs
- Portable Instrumentation

**General Description**

The G3208 is a low on-resistance, dual channel 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 G3208 has a separate logic supply pin (V<sub>IO</sub>) that is characterized to operate from 1.65V to 1.95V. V<sub>IO</sub> powers the control circuitry, which allows the G3208 to be controlled by 1.8V signals.

The G3208 is available in the WLCSP3X4-12 package.

**Ordering Information**

ORDER NUMBER	MARKING	TEMP. RANGE	PACKAGE (Green)
G3208B51D	3208	-40°C to 85°C	WLCSP3X4-12

Note: B5: WLCSP3X4-12

1: Bonding Code

D: Tape & Reel

**Pin Configuration**