



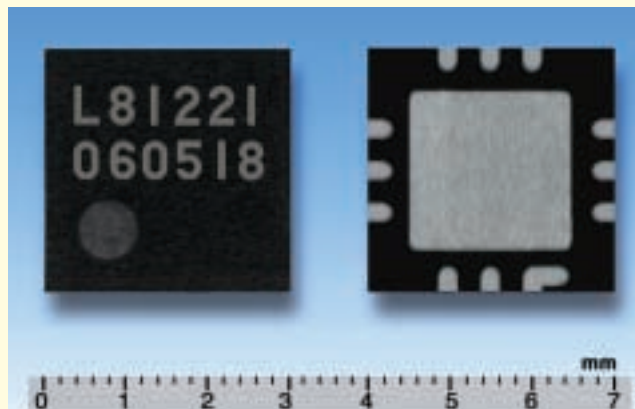
Product-related Environmental Response

Semiconductors

Electronic devices include communications LSIs, speech LSIs, image LSIs, USB-LSIs, dedicated logic LSIs, ASICs and other ICs as well as compound semiconductor ICs (ICs for optical communications, high frequency devices), fiber-optics devices (LD modules, PD modules, EA modulator modules) and other optical components.

ML81221GD

High-isolation CMOS switch using SOS (silicon-on-sapphire) technology.



Product Features

- (1) Compatible with digital terrestrial TVs including one-segment digital TVs for mobile phones.
- (2) Best used to switch high-frequency signals in receivers for FM radio, TV, GPS (global positioning system) and others.
- (3) Achieves a high level of isolation, 40dB at 900MHz (signal leakage 0.01%)
- (4) Realizes 100 times higher isolation compared to conventional Oki products.
- (5) Withstands over 2000V of ESD pressure in HBM.

Product Website / Contact

<http://www.oki.com/jp/Home/JIS/New/OKI-News/2006/05/z06021.html>

Main Efforts to Reduce Environmental Impacts

- (1) The product realizes very low power-consumption
- (2) Power consumption is more than 80% less compared to RF switches using GaAs compound semiconductors.
- (3) The product is an eco-friendly RF switch since the sapphire board does not contain the environment-affecting substance arsenic (As).