



Low Power, Downsizing, and Cost Reduction with ABLIC High-Voltage Analog Switches

Key Features

- High-integration facilitates downsizing and cost reduction**

32-channel integration provides downsizing and cost reduction of your systems.

- Signal voltage-independent low on-resistance**

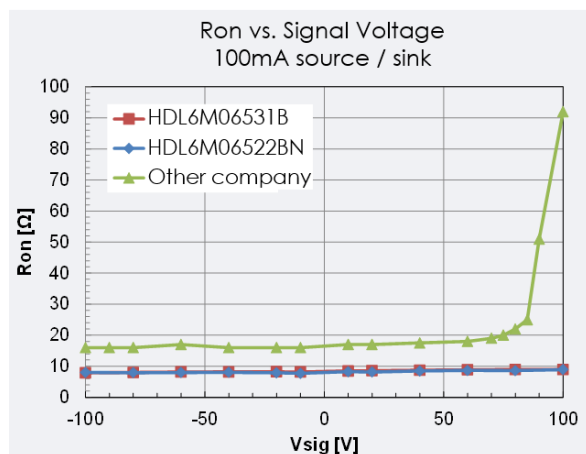
Stable 8Ω on-resistance in the range of ±100V signal.

- Single 5V power supply for very low power dissipation**

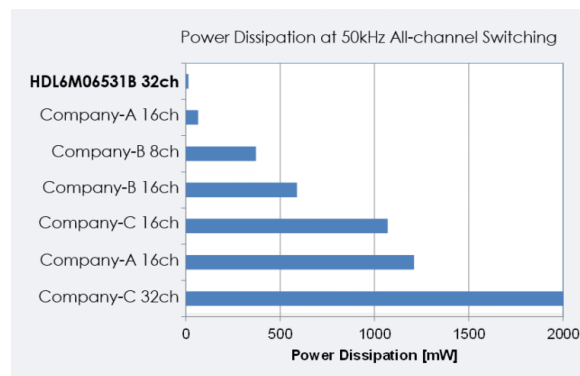
A single 5V power supply achieves 14mW at 50kHz all 32-channel switching. That provides low power and safety design to your systems.

- Unique pin configuration for efficient PCB wiring**

The unique pin-out of poles on one side and throws on the other side reduces the number of board layers, and consequently contributes to compact, low-cost, and light-weight systems.



Ron vs. Signal Voltage 100mA source / sink



Power Dissipation at 50kHz All-channel Switching

Applications

- Ultrasound system
- Piezoelectric Transducer Drivers
- Flaw Detection
- Mechanical Relays Replacement

HDL6M Series



ABLIC Inc.

The latest information
<https://www.ablic.com/en/semicon/products/analog-switches/high-voltage-analog-switches/?LF>

