

# 14bit 40ch D/A Converter

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## High precision D/A Converter - HDL6K Series



The HDL6K is a high precision 14-bit multi-channel DAC (Digital to Analog Converter), enabling up to 40 channels on a single chip, by using Hitachi's BiCMOS technology.

## Features

**High precision analog outputs support simultaneous update function of DAC outputs and system calibration function of offset voltage. The HDL6K significantly reduces costs of multi-channel systems compared to use of individual parts.**

- High-precision : 14-bit
- 40-channel
- Digital Voltage : 5V / 3.3V
- Analog Voltage : +8.5V to +13.5V / -4.5V to -9.5V (Maximum Voltage span 18V)
- Output Voltage : +11.5V to -7.5V (14V swing)
- Digital Inputs : Parallel inputs
- High-speed write operation (50ns)
- Analog Outputs : Simultaneous update function of DAC outputs
- System calibration function of offset voltage
- Packages : 13mm x 13mm 108-pin CSP-BGA



## Applications

- SOC/memory LSI test systems
  - High precision measurement equipment
- The custom design DAC solution is also provided to meet all your needs.

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