

Digital to Analogue Converter, 10 bit, 1.7 MSPS, I2C, 2.7V to 5.5V, SC-70, 6 Pins

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	SC70-6
Product Type	Digital to Analog Converters - DAC
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for AD5612BKSZ-2500RL7 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The KAD5612P is a family of low-power, high-performance, dual-channel 12-bit, analog-to-digital converters. Designed with FemtoCharge™ technology on a standard CMOS process, the family supports sampling rates of up to 250MSPS. The KAD5612P-25 is the fastest member of this pin-compatible family, which also features sample rates of 210MSPS (KAD5612P-21), 170MSPS (KAD5612P-17) and 125MSPS (KAD5612P-12). A Serial Peripheral Interface (SPI) port allows for extensive configurability, as well as fine control of gain, skew and offset matching between the two converter cores. Digital output data is presented in selectable LVDS or CMOS formats. The KAD5612P is available in a 72 Ld QFN package with an exposed paddle. Performance is specified over the full industrial temperature range (-40°C to +85°C).

## Features

Programmable gain, offset and skew control

1.3GHz analog input bandwidth

60fs clock jitter

Over-range indicator

Selectable clock divider:  $\div 1$ ,  $\div 2$  or  $\div 4$

Clock phase selection

Nap and sleep modes

Two's complement, gray code or binary data format

DDR LVDS-compatible or LVCMOS outputs

Programmable built-in test patterns

Single-supply 1.8V operation

Pb-free (RoHS compliant) Key Specifications = 105MHz (-1dBFS) = 105MHz (-1dBFS)

Power consumption

429mW at 250MSPS

342mW at 125MSPS

COUNTRY OF ASSEMBLY: MALAYSIA  
COUNTRY OF DIFFUSION: IRELAND

(Q)QTY: 500



nanoDAC



(9D)DATE CODE: 2125



(1T)LOT NUMBER: AU69082.8



(1P)MFG NO: AD5612BKSZ-2500RL7



MSL 1  
PPBT = 260'C  
e4 BOX 2 OF 11



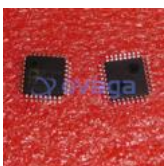
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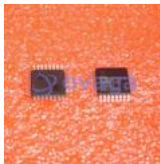
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LFCSP-64