# HV2901K6-G

Data Sheet

32CH LOW CHARGE INJECTION HIGH VOLTAGE ANALOG SWITCH w/BLEED RESISTORS, 64 QFN 9x9x0.9mm TRAY

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|---|---|
| Manufacturers | Microchip Technology, Inc |
| Package/Case | QFN-64 |
| Product Type | Interface ICs |
| RoHS | Green |
| Lifecycle | |

Images are for reference only

Please submit RFQ for HV2901K6-G or Email to us: sales@ovaga.com We will contact you in 12 hours. RFQ

## General Description

HV2901 is a low charge injection 32-channel high voltage analog switch integrated circuit (IC) intended for use in applications requiring high voltage switching controlled by low voltage control signals, such as medical ultrasound imaging, piezoelectric transducer driver, and printers. The bleed resistors eliminate voltage built up on capacitive loads such as piezoelectric transducers.Input data are shifted into a 32-bit shift registers that can then be retained in a 32-bit latch. To reduce any possible clock feed through noise, the latch enable bar should be left high until all bits are clocked in. Data are clocked in during the rising edge of the clock. Using HVCMOS technology, this device combines high voltage bilateral DMOS switches and low power CMOS logic to provide efficient control of high voltage analog signals.The device is suitable for various combinations of high voltage supplies, e.g., VPP/VNN: +40V/-160V, +100V/-100V, and +160V/-40V.

## Features

32-channel high voltage analog switch

Integrated bleed resistors on the outputs

2:1 Multiplexer / Demultiplexer

3.3V or 5.0V CMOS input logic level

20MHz data shift clock frequency

HVCMOS technology for high performance

Very low quiescent power dissipation - 10µA

Low parasitic capacitance

DC to 50MHz analog signal frequency

CMOS logic circuitry for low power

Excellent noise immunity

Cascadable serial data register with latches

Flexible operating supply voltages

### Related Products

HV2601FG-G

Microchip Technology, Inc

LQFP-48

HV219PJ-G

Microchip Technology, Inc

PLCC-28

HV2701FG-G

Microchip Technology, Inc

LQFP-48

PIC12HV752-I/MFVAO

Microchip Technology, Inc

DFN

PIC12HV752T-I/MFVAO

Microchip Technology, Inc

DFN

PIC12HV752T-E/MFVAO

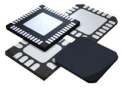
Microchip Technology, Inc

DFN

PIC16HV785T-E/ML

Microchip Technology, Inc

QFN



PIC16HV616T-I/MLVAO

Microchip Technology, Inc

QFN