

Low Charge Injection 16-Channel High Voltage Analog Switch, Switch ICs - Various Low Charge 16-Channel High Voltage

Manufacturers	Microchip Technology, Inc
Package/Case	LQFP-48
Product Type	Interface ICs
RoHS	Green
Lifecycle	



Images are for reference only

Please submit RFQ for HV2601FG-G or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

HV2601 is a low charge injection 16-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 and other piezoelectric transducer drivers. Input data are shifted into a 16-bit shift register that can then be retained in a 16-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

HVCMOS technology for high performance

16-channel high voltage analog switch

3.3V input logic level compatible

20MHz data shift clock frequency

Very low quiescent power dissipation ($\sim 10\mu\text{A}$)

Low parasitic capacitance

DC to 50MHz small signal frequency response

CMOS logic circuitry for low power

Excellent noise immunity

Cascadable serial data register with latches

Flexible operating supply voltages



Related Products



[HV219PJ-G](#)

Microchip Technology, Inc
PLCC-28



[HV2901K6-G](#)

Microchip Technology, Inc
QFN-64



[HV2701FG-G](#)

Microchip Technology, Inc
LQFP-48



[PIC12HV752-I/MFVAO](#)

Microchip Technology, Inc
DFN



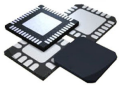
[PIC12HV752T-I/MFVAO](#)

Microchip Technology, Inc
DFN



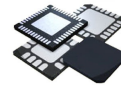
[PIC12HV752T-E/MFVAO](#)

Microchip Technology, Inc
DFN



[PIC16HV785T-E/ML](#)

Microchip Technology, Inc
QFN



[PIC16HV616T-I/MLVAO](#)

Microchip Technology, Inc
QFN