HV219PJ-G

Data Sheet

Low Charge Injection 8-Channel High Voltage Analog Switch,Switch ICs - Various Lo-Charge 8-Channel High Voltage

Manufacturers	Microchip Technology, Inc
Package/Case	PLCC-28
Product Type	Interface ICs
RoHS	Green
Lifecycle	

Images are for reference only

Please submit RFQ for HV219PJ-G or Email to us: sales@ovaga.com We will contact you in 12 hours. RFQ

General Description

HV219 is a low switch resistance, low charge injection, 8-channel, 200V, analog switch integrated circuit (IC) intended primarily for medical ultrasound imaging. The device can also be used for NDE (non-destructive evaluation) applications. The HV219 is a lower switch resistance, 11O versus 22O, version ofHV20220 device. The lower switch resistance will help reduce insertion loss. It has the same pin configuration as that ofHV20220PJ and the HV20220FG.The device is manufactured usingHVCMOS® (high voltage CMOS) technology with high voltage bilateral DMOS structures for the outputs and low voltage CMOS logic for the input control. The outputs are configured as eight independent single pole single throw 11O analog switches. The input logic is an 8-bit serial to parallel shift register followed by an 8-bit parallel latch. The switch states are determined by the data in the latch. Logic high will correspond to a closed switch and logic low as an opened switch.The HV219 is designed to operate on various combinations of high voltage supplies. For example the VPP and VNN supplies can be:+40V/-160V, +100V/-100V, or +160V/-40V. This allows the user to maximize the signal voltage for uni-polar negative, bi-polar, or uni-polar positive.

Features

HVCMOS® technology for high performance

Very low quiescent power dissipation (-10μA)

Output on-resistance typically 11Ω

Low parasitic capacitance

DC to 50MHz small signal frequency response

CMOS logic circuitry for low power

Excellent noise immunity

Serial shift register logic control with latches

Flexible operating supply voltages

Surface mount packages

Related Products

HV2601FG-G

Microchip Technology, Inc

LQFP-48

HV2901K6-G

Microchip Technology, Inc

QFN-64

HV2701FG-G

Microchip Technology, Inc

LQFP-48

PIC12HV752-I/MFVAO

Microchip Technology, Inc

DFN

PIC12HV752T-I/MFVAO

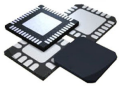
Microchip Technology, Inc

DFN

PIC12HV752T-E/MFVAO

Microchip Technology, Inc

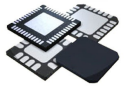
DFN



PIC16HV785T-E/ML

Microchip Technology, Inc

QFN



PIC16HV616T-I/MLVAO

Microchip Technology, Inc

QFN