



HV2721 □

300V 16-Channel High Voltage Analog Switch

Status: New Device Entry

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Summary

HV2621/2721/2722 are low harmonic distortion, low charge injection, 16-channel, 300V high voltage analog switches. They are intended for use in applications requiring high voltage switching controlled by low voltage control signals, such as medical ultrasound imaging, driving piezoelectric transducers, and printers. HV2621/2721 are 300V versions of HV2601/2701.

Additional Features

- 300V 16-channel high voltage analog switch**
- 3.3V or 5.0V CMOS input logic level**
- 33MHz data shift clock frequency**
- Very low quiescent current (10uA)**
- DC to 50MHz analog small signal frequency**
- 60dB typical OFF-isolation at 5.0MHz**
- Excellent noise immunity**
- Cascadable serial data register with latches**
- Two integrated bleed resistors on the outputs**
- Low parasitic capacitance**
- Flexible operating supply voltage**

Parametrics

Name	Value
Interface	Serial
Configuration	16 SPST
Supply Voltage Vpp - Vnn (V)	300
Analog Signal Voltage (V)	270
Switch Current (A)	±3.0
Switch Resistance typ (Ω)	18
Output Bleed Resistors	Yes, two
Package	QFN-64
Notes	Low charge injection

