



DESCRIPTION

The PT2328 is a true bidirectional Quad 2-channel multiplexer/ de-multiplexer utilizing CMOS Technology. It is recommended for both RGB and composite video switching applications. The video switch can be driven from a video DAC or a composite video source.

The very low ON-resistance and wide bandwidth make it ideal for video and other applications. High output current which is far greater than most analog switches offered today, only need a single 5V supply for operation. The PT2328 is a good choice to replacing the “switches + buffer amplifier” solution in both cost and performance reasons.

FEATURES

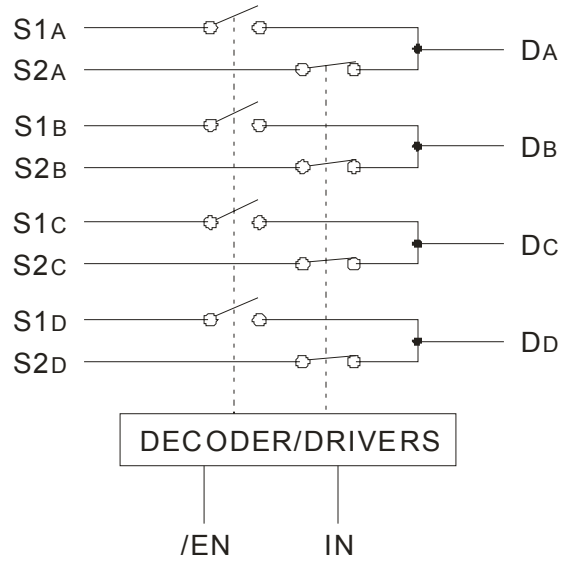
- Video signal switch
- Wide bandwidth: 240MHz
- Low On-Resistance: 5Ω , Low signal loss
- Low crosstalk: 10MHz/-58dB
- Extremely low power consumption
- Single supply: +5V
- Switching speed: 5nS
- Output driver current: >100mA
- 16 pins, Multi-package mode

APPLICATIONS

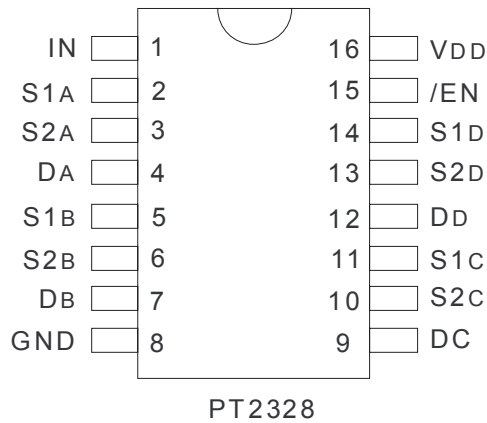
- LCD monitor, TV
- DVD player with recorder
- A/V power amplifier
- A/V switching
- CATV Tuner, Set-Top Box, Satellite Receiver



BLOCK DIAGRAM



PIN CONFIGURATION





PIN DESCRIPTION

Pin Name	I/O	Description	Pin No.
IN	I	Select Input	1
S1A	I/O	1 st analog video I/O	2
S2A	I/O	1 st analog video I/O	3
DA	I/O	1 st analog video O/I	4
S1B	I/O	2 nd analog video I/O	5
S2B	I/O	2 nd analog video I/O	6
DB	I/O	2 nd analog video O/I	7
GND	-	Ground	8
DC	I/O	3 rd analog video O/I	9
S2C	I/O	3 rd analog video I/O	10
S1C	I/O	3 rd analog video I/O	11
DD	I/O	4 th analog video O/I	12
S2D	I/O	4 th analog video I/O	13
S1D	I/O	4 th analog video I/O	14
/EN	I	Enable select input	15
VDD	-	Supply Voltage	16