

Low On-Resistance Wideband/Video Quad 2-Channel Mux/DeMux**PT2328**

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

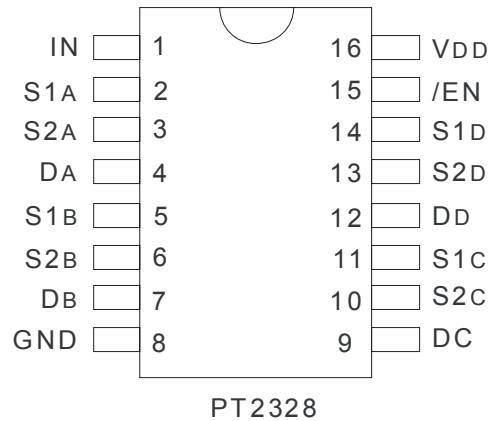
APPLICATIONS

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

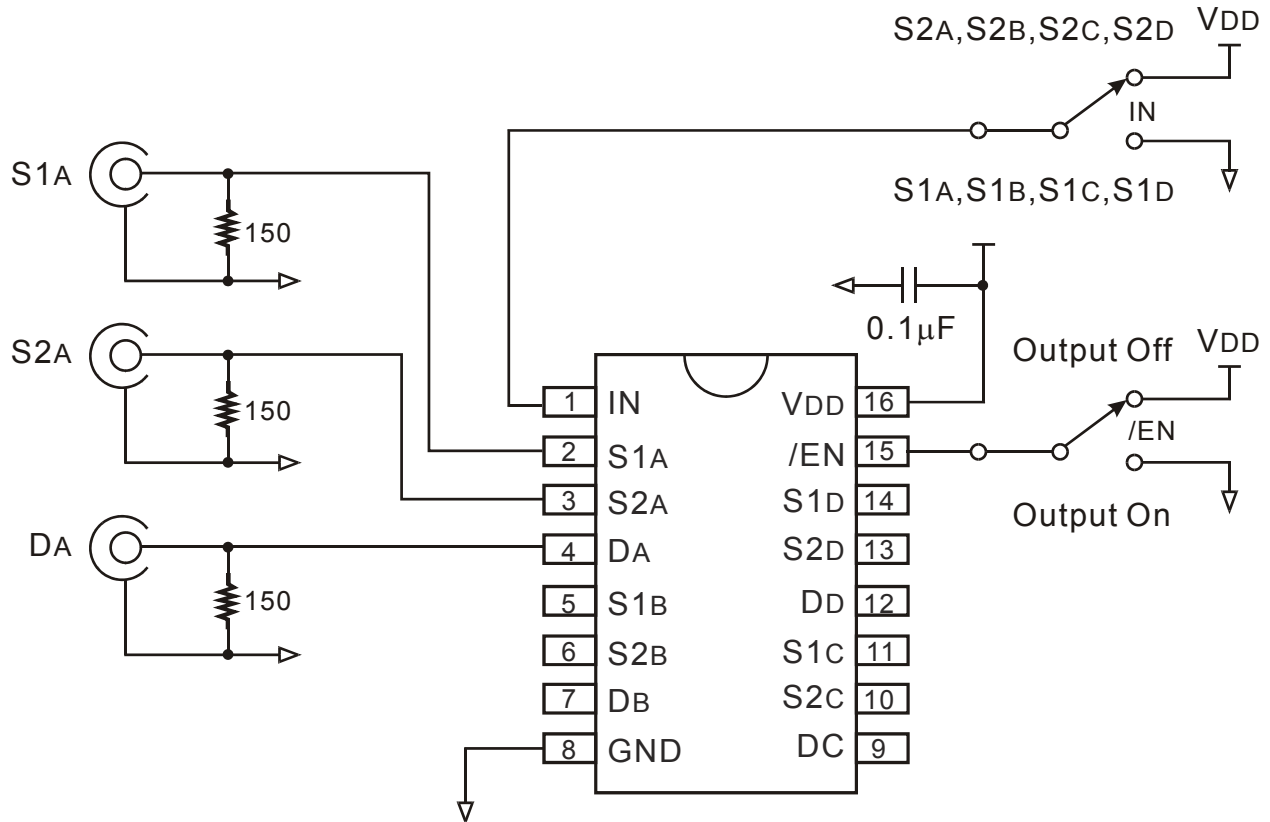
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PIN CONFIGURATION



APPLICATION CIRCUIT



Note: Group A is the representative at this figure.

ORDER INFORMATION

Valid Part Number	Package Type	Top Code
PT2328-SJ	16 Pins, SOP, 300mil	PT2328-SJ
PT2328-SA	16 Pins, SOP, 150mil	PT2328-SA
PT2328-X	16 Pins, SSOP, 150mil	PT2328-X
PT2328-SJ (L)	16 Pins, SOP, 300mil	PT2328-SJ
PT2328-SA (L)	16 Pins, SOP, 150mil	PT2328-SA
PT2328-X (L)	16 Pins, SSOP, 150mil	PT2328-X

Notes:

1. (L) = Lead Free
2. The Lead Free mark is put in front of the date code