



■ DESCRIPTION

AA8670 is a video driver which integrates 6dB gain rail to rail output driver, 3rd low pass filter and coaxial communication receiver. The threshold voltage of the receiver is built by internal circuit. It supports +2.5V and +5.5V operating voltage, and is ideal for video output device such as surveillance camera. The AA8670 can be DC-coupled or AC-couple with input video signal, such as the output stage of DAC to eliminate out-of-band noise. The output can drive DC-couple or AC-couple signal (150Ω) or dual (75Ω) loads.

■ FEATURES

- Operating Voltage, +2.5V~+5.5V
- Transparent Input Clamping
- 3rd Order 72MHz (Full HD) Filter
- 6dB Output Driver Gain and Drive Dual Video Load
- Rail-to-Rail Output
- AC or DC-coupled Inputs
- AC or DC-coupled Outputs
- High Speed Coaxial Communication Receiver
- SOT23-6 package

■ APPLICATIONS

- Cable and Satellite Set-Top Boxes
- Portable and Handheld Products
- Personal Video Recorders
- AHD/TVI/CVI Analog HD Camera

■ BLOCK DIAGRAM

