



### DESCRIPTION

AA8672 is a video driver which integrates 6dB gain rail to rail output driver, 3<sup>rd</sup> low pass filter and coaxial communication receiver. The VREF (pin8) can set the threshold voltage of the receiver by external circuit. It supports +2.5V and +5.5V operating voltage, and is ideal for video output device such as surveillance camera. The AA8672 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
- 3<sup>rd</sup> 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
- MSOP8 package

### APPLICATIONS

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

### BLOCK DIAGRAM

