

# **Agamem Microelectronics Inc.**

**AA8617** 

**PRELIMINARY** 

TRIPLE, 50MHz, 3<sup>rd</sup> ORDER HDTV VIDEO FILTER DRIVERS

## **■** DESCRIPTION

AA8617 is a video driver which integrates triple 6dB gain rail to rail output driver and triple  $3^{rd}$  low pass filter. It supports +2.5V and +5.5V operating voltage, and is ideal for video output device, ranging from portable digital still camera and stationary equipment such as Set-top boxes (STB). The AA8617 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 (150 $\Omega$ ) or dual (75 $\Omega$ ) loads.

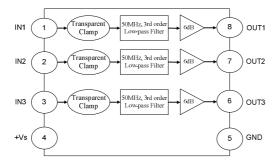
### **■ FEATURES**

- Operating Voltage, +2.5V~+5.5V
- · Low Power with 19.5mA Total Supply Current
- Transparent Input Clamping
- Triple 3<sup>rd</sup> Order 50MHz (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
- · Lead-Free SOIC-8 package

#### ■ APPLICATIONS

- Able Set-top Boxes (STB)
- · Video Amplifiers
- · Portable and Handheld Products
- Video on Demand (VOD)
- Personal Video Recorders (PVR)
- Communications Devices
- DVD Players
- HDTVs

## **■ BLOCK DIAGRAM**



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