

**Agamem Microelectronics Inc.** 

AA8616

PRELIMINARY

Triple, 35MHz, 3<sup>rd</sup> Order HDTV Video Filter Dirvers

## DESCRIPTION

AA8616 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 AA8616 can be DC-coupled or AC-couple with input video signal, such us 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, typical +2.5V~+5.5V
- Low Power 19.5mA total supply current
- Transparent Input Clamping
- Triple 3<sup>rd</sup> order 35MHz (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

## APPLICATION

- Cable set-top boxes(STB)
- Video amplifiers
- Portable and handheld products
- Video on demand(VOD)
- Personal video recorders(PVR)
- Communications devices
- DVD players
- HDTVs

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1

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