



PRELIMINARY

Dual Video Amplifier with LPF

■ **DESCRIPTION**

AA8642 is a dual low pass filter video amplifier with 6db gain, 75Ω output buffer and SAG correction. The 75Ω buffer is capable of driving two circuits. The SAG could reduce the output coupling capacitor. It supports 3V and 5V operation voltage and incorporates high performance 4-stage LPF which is ideal for removing DAC sampling noise. The power saving circuit provides the power saving function. The IC is available in **8-pin TSSOP (AA8642AP)**, **8-pin SOP (AA8642SP)** and **8-pin DIP (AA8642PP)** package.

■ **FEATURES**

1. Composite video driver with 6dB gain
2. Support 3V and 5V operation voltage
3. Built-in high performance 4-stage LPF
4. Dual channels video amplifier
5. SAG correction function
6. A load sufficient for driving two circuits
7. Low operating current, 18mA typical
8. Internal voltage clamp circuit
9. AC-Couple or DC-Couple output

■ **APPLICATION**

- VCR
- Video Camera
- TV
- Video Player

■ **AA8642 BLOCK DIAGRAM**

