



### DESCRIPTION

AA8641 is a low voltage 75 ohm video driver with built-in low pass filter. It supports 3V and 5V operating voltage, and is ideal for video output device, ranging from portable digital still camera and stationary equipment such as DVD player. It incorporates high performance 4-stage LPF which is ideal for removing DAC sampling noise. In addition, ultra-low power consumption is achieved through power saving to under 1uA. It prolongs the battery life of portable device.

### FEATURES

- Operating voltage, typical 2.8V~5.5V
- Operating temperature range, -40~+85 °C
- Current consumption, 5.7mA typical
- Current consumption during power saving, 1.0uA
- High precision voltage gain, 6.0dB +/- 0.3dB
- Built-in high performance 4-stage LPF, 6.75 MHz/ 100KHz Max. +1.0/-0.5dB  
27 MHz/ 100KHz Typ.-30dB
- Internal voltage clamp circuit
- Ultra small package, SOT26
- Support AC-couple and DC-couple (no need to use output capacitors) output

### APPLICATIONS

- Portable
- Digital camera
- DVD player
- Surveillance

### BLOCK DIAGRAM

