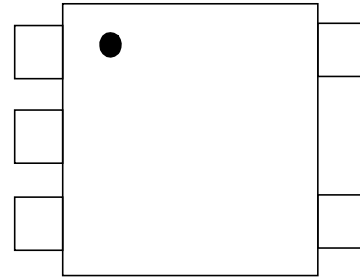


SV5108, SV5108A

Low Power, 5th-order 8MHz filter, Quality Enhanced, Standard Definition Video Driver

Features

- Low power, low voltage design
- Operating voltage from +2.7V to +5.5V
- Low quiescent current: 6mA
- High PSRR: 62dB
- No compromised HBM 8KV ESD protection
- 5th-order filter integrated : 8MHz
- High-performance, +6dB-gain driver design
- Support Power-Down mode/Jack-Detect enabled (SV5108A)
- Rail-to-Rail output
- Transparent input clamping
- Versatile AC- or DC-coupled configurations at inputs and outputs
- PCB space saving design in green SC70-5, SC70-6 and SOP-8



SC70-5

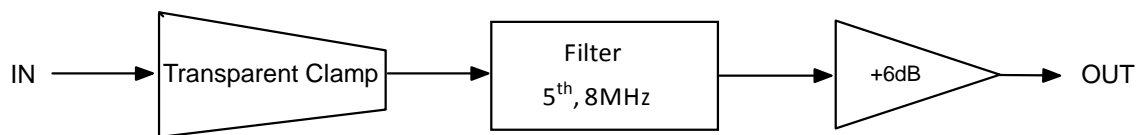
Description

The SV5108/SV5108A are cost-effective, Standard Definition (SD) Video Drivers with enhanced video quality. With state-of-art low voltage and low power design, makes it ideal for low power CVBS-/SD- video system design. It features 5th-order filter and +6dB driver designed for replacing traditional 2nd~3th-order passive LC filtering solution that improves output video quality and reduces PCB space. The SV5108B supports driving single video cable or 150 load and two video cables or 75 loads.

The SV5108A can stay in power-down mode when the system is powered up. It will be activated while Video Jack plugging in, logic 'L' presenting at the SHDN pin, or enter power-down mode that saves power consumption when logic 'H' is presented at the SHDN pin.

The 8KV ESD protection design also helps to reduce ESD protection cost, but still provides robust ESD protection and reduces any potential system reliability and safety issues from ESD threats.

Block Diagram



Ordering Information

Order Codes	Operation Range	Package	Packing
SV5108-05SC-TR3	-40°C, +85°C	SC70-5	Tape & Reel, 3000pcs
SV5108A-05SC-TR3	-40°C, +85°C	SO70-5	Tape & Reel, 3000pcs