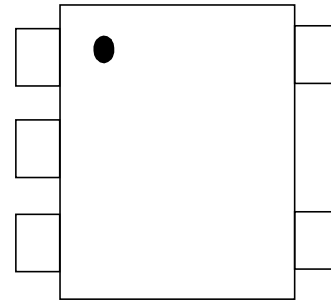


# SV5108B, SV5108C

## 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 driving single video cable or 150  $\Omega$  load and two video cables or 75  $\Omega$  loads
- 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 package.



SC70-5

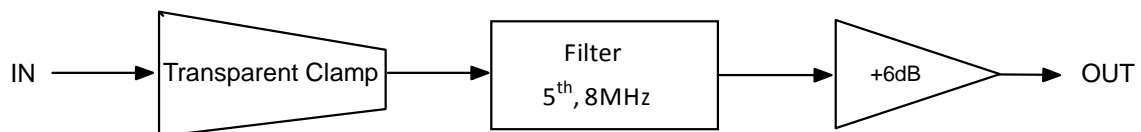
### Description

The SV5108C 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 SV5108C supports driving single video cable or 150  $\Omega$  load and two video cables or 75  $\Omega$  loads.

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
SV5108C-05SC-TR3	-40°C, +85°C	SO70-5	Tape & Reel, 3000pcs