

# FMS6363

## Low Cost Three Channel 6th Order High Definition Video Filter Driver

### Features

- Three sixth-order 30MHz (HD) filters
- Transparent input clamping
- Single video load drive (2Vpp, 150Ω, A<sub>V</sub> = 6dB)
- AC or DC-coupled inputs
- AC or DC-coupled outputs
- DC-coupled outputs eliminate AC-coupling capacitors
- 5V only
- Lead (Pb) Free package- SOIC-8

### Applications

- Cable and Satellite set top boxes
- DVD players
- HDTV
- Personal Video Recorders (PVR)
- Video On Demand (VOD)

### Description

The FMS6363 Low Cost Video Filter (LCVF) is intended to replace passive LC filters and drivers with a low-cost integrated device. Three 6<sup>th</sup> order filters provide improved image quality compared to typical lower order passive solutions.

The FMS6363 may be directly driven by a DC-coupled DAC output or an AC-coupled signal. Internal diode clamps and bias circuitry may be used if AC-coupled inputs are required (see applications section for details).

The outputs can drive AC or DC-coupled single (150Ω) loads. DC-coupling the outputs removes the need for output coupling capacitors. The input DC levels will be offset approximately +280mV at the output (see applications section for details).

### Ordering Information

Model	Part Number	Lead Free	Package	Container	Pack Qty.
FMS6363	FMS6363CS_NL	Yes	SOIC-8	Rail	95
FMS6363	FMS6363CSX_NL	Yes	SOIC-8	Reel	2500

Temperature Range: 0°C to +70°C

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