

FMS6418A

Triple Video Driver with Selectable HD/SD Video Filters for RGB or YUV Signals

Features

- Three video anti-aliasing or reconstruction filters
- YUV/RGB signal support
- 2:1 Mux inputs for multiple RGB/YUV inputs
- Selectable 8MHz or 30MHz 6th order filters for SD/HD applications
- DC coupled input, AC coupled output
- All outputs can drive AC coupled 150Ω loads and provide 6dB of gain
- 0.6% differential gain with 0.15° differential phase
- 36dB/octave roll-off on all channels

Applications

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

Description

The FMS6418A offers comprehensive filtering for set top box or DVD applications. This part consists of a triple 6th order filter with selectable 30MHz or 8.0MHz frequencies.

A 2-to-1 multiplexer is provided on each filter channel. The triple filters are intended for either YUV or RGB signals. All channels accept DC coupled ground-referenced 1V signals. The filters provide 2V_{pp} signals into AC coupled terminated loads. The low-pass filters are powered by 3.3V and the outputs by 5.0V.

Ordering Information

Model	Part Number	Lead Free	Package	Container	Pack Qty
FMS6418A	FMS6418AMTC14		14-pin TSSOP	Tube	94
FMS6418A	FMS6418AMTC14X		14-pin TSSOP	Tape & Reel	2,500
FMS6418A	FMS6418AM16		16-pin SOIC	Tube	45
FMS6418A	FMS6418AM16X		16-pin SOIC	Tape & Reel	1,000

Temperature range for all parts: 0°C to +70°C.

Contact your local Fairchild Semiconductor distributor for additional product information

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