查询FMS6407供应商



SEMICONDUCTOR®



,24小时加急出货

FMS6407 **Triple Video Drivers with Selectable HD/Progressive/SD/Bypass Filters**

Features

- Three video anti-aliasing or reconstruction filters
- 2:1 Mux inputs for YPbPr / RGB or YPbPr / YC-CV inputs
- Supports D1, D2, D3 and D4 video D-connector (EIAJ CP-4120)
- Selectable 8MHz/15MHz/30MHz 6th order filters plus bypass for SD (480i), Progressive (480p) and HD (1080i/720p)
- AC-coupled inputs include DC restore /bias circuitry
- All outputs can drive AC or DC coupled 75Ω loads and provide either 0dB or 6dB of gain
- WWW.DZSC.COM • 0.6% differential gain, 0.4° differential phase
- Lead-free packaging

Applications

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

Ordering Information

Description

The FMS6407 offers comprehensive filtering for TV, set top box or DVD applications. This part consists of a triple 6th order filter with selectable 30MHz, 15MHz, or 8MHz cutoff frequencies. The filters may also be bypassed so that the bandwidth is limited only by the output amplifiers.

专业PCB打样工厂

A 2 to 1 multiplexer is provided on each filter channel. The triple filters are intended for YPbPr, RGB and YC-CV signals. The DC clamp levels are set according to the input mux selection and the CV SEL control input. YPbPr sync tips are clamped to 250mV, 1.125V and 1.125V respectively while RGB sync tips are all clamped to 250mV. CV mode clamps Y and CV to 250mV while C is clamped to 1.125V. Sync clamp timing can be derived from the Y or Green input channel or from the external SYNC IN pin.

All channels nominally accept AC coupled 1Vpp signals. Selectable 0dB or 6dB gain allows the outputs to drive 1Vpp or 2Vpp signals into AC or DC coupled terminated loads with a 1Vpp input. Input signals cannot exceed 1.5Vpp and outputs cannot exceed 2.5Vpp.

The FMS6407 draws 525mW from a single 5.0V supply.

Model	Part Number	Lead Free	Package	Container	Pack Qty
FMS6407	FMS6407MTC20_NL	Ø	TSSOP-20	Tube	94
FMS6407	FMS6407MTC20X_NL	Ø	TSSOP-20	Tape and Reel	2500

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

Contact your local Fairchild Semiconductor distributor for additional product information

DISCLAIMER

FAIRCHILD SEMICONDUCTOR RESERVES THE RIGHT TO MAKE CHANGES WITHOUT FURTHER NOTICES TO ANY PRODUCTS HEREIN TO IMPROVE RELIABILITY, FUNCTION OR DESIGN. FAIRCHILD DOES NOT ASSUME ANY LIABILITY ARISING OUT OF THE APPLICATION OR USE OF ANY PRODUCT OR CIRCUIT DESCRIBED HEREIN; NEITHER DOES IT CONVEY ANY LICENSE UNDER ITS PATENT RIGHTS, NOR THE RIGHTS OF OTHERS.

LIFE SUPPORT POLICY

FAIRCHILD'S PRODUCTS ARE NOT AUTHORIZED FOR USE AS CRITICAL COMPONENTS IN LIFE SUPPORT DEVICES OR SYSTEMS WITHOUT THE EXPRESS WRITTEN APPROVAL OF THE PRESIDENT OF FAIRCHILD SEMICONDUCTOR CORPORATION. As used herein:

e support devices or systems are devices or systems which, (a) are intended for surgical implant into the body, or (b) support or sustain life, and (c) whose failure to per form when properly used in accordance with instructions for use provided in the labeling, CizanGeGeasonably expected to result in a significant injury of the user

2. A critical component in any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.