

Video Amp Quad $\pm 6.25V$ 12.5V 14-Pin SOIC Tube

Manufacturer: [Texas Instruments, Inc](#)

Package/Case: SOP14

Product Type: Amplifier ICs

Lifecycle: NRND



Images are for reference only

[Inquiry](#)

General Description

The LMH6714/LMH6720/LMH6722 series combine Texas Instruments' VIP10 high speed complementary bipolar process with Texas Instruments' current feedback topology to produce a very high speed op amp. These amplifiers provide a 400MHz small signal bandwidth at a gain of +2V/V and a 1800V/ μ s slew rate while consuming only 5.6mA from $\pm 5V$ supplies.

The LMH6714/LMH6720/LMH6722 series offer exceptional video performance with its 0.01% and 0.01° differential gain and phase errors for NTSC and PAL video signals while driving a back terminated 75 load. They also offer a flat gain response of 0.1dB to 120MHz. Additionally, they can deliver 70mA continuous output current. This level of performance makes them an ideal op amp for broadcast quality video systems.

The LMH6714/LMH6720/LMH6722's small packages (SOIC, SOT-23 and WSON), low power requirement, low noise and distortion allow the LMH6714/LMH6720/LMH6722 to serve portable RF applications. The high impedance state during shutdown makes the LMH6720 suitable for use in multiplexing multiple high speed signals onto a shared transmission line. The LMH6720 is also ideal for portable applications where current draw can be reduced with the shutdown function.

Key Features

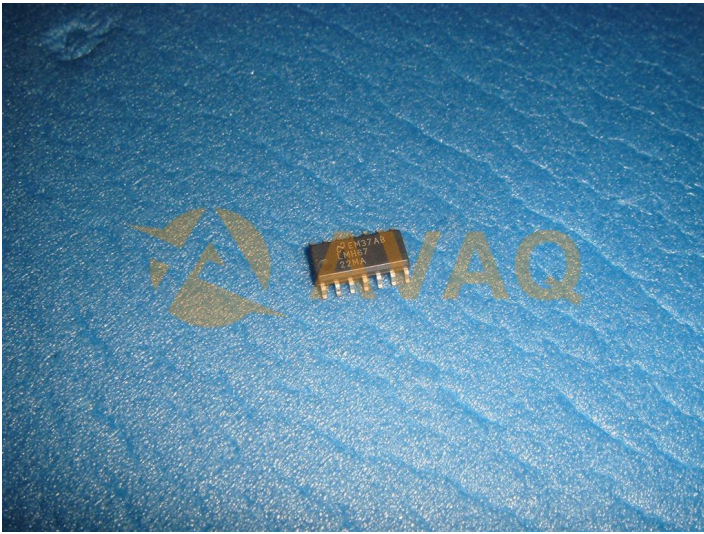
Unity gain stable

0.1dB Gain flatness to 120MHz

5.6mA Low power

54dB Typical CMRR

8 μ V/ $^{\circ}$ C Typical offset drift



Recommended For You

LMB11MX

Texas Instruments, Inc

SOP8

LMV7219M5

Texas Instruments, Inc

SOT23-5

LMB48D

Texas Instruments, Inc

SOP-14

LM224N

Texas Instruments, Inc

DIP14

LM239J

Texas Instruments, Inc

CDIP14

LMV331M5

Texas Instruments, Inc

SOT23-5

LMB93ADR

Texas Instruments, Inc

SOP8

LM293DR

Texas Instruments, Inc

SOP8

LM293D

Texas Instruments, Inc

SOP8

LMV824MIX

Texas Instruments, Inc

TSSOP

LMV358M

Texas Instruments, Inc

SOP8

LMV321M5

Texas Instruments, Inc

SOT23-5

LM741H

Texas Instruments, Inc

CAN8

LM193AH

Texas Instruments, Inc

CAN8

LM111H/NOPB

Texas Instruments, Inc

CAN8