

Video Amp Dual 480MHz \pm 6V 8-Pin SOIC Tube

Manufacturer: [Texas Instruments, Inc](#)

Package/Case: SOP8

Product Type: Amplifier ICs

Lifecycle: Obsolete



Images are for reference only

[Inquiry](#)

General Description

The LMH6715 combines TI's VIP10 high speed complementary bipolar process with TI's current feedback topology to produce a very high speed dual op amp. The LMH6715 provides 400MHz small signal bandwidth at a gain of +2V/V and 1300V/ μ s slew rate while consuming only 5.8mA per amplifier from \pm 5V supplies.

The LMH6715 offers exceptional video performance with its 0.02% and 0.02° differential gain and phase errors for NTSC and PAL video signals while driving up to four back terminated 75 loads. The LMH6715 also offers a flat gain response of 0.1dB to 100MHz and very low channel-to-channel crosstalk of 70dB at 10MHz. Additionally, each amplifier can deliver 70mA of output current. This level of performance makes the LMH6715 an ideal dual op amp for high density, broadcast quality video systems.

The LMH6715's two very well matched amplifiers support a number of applications such as differential line drivers and receivers. In addition, the LMH6715 is well suited for Sallen Key active filters in applications such as anti-aliasing filters for high speed A/D converters. Its small 8-pin SOIC package, low power requirement, low noise and distortion allow the LMH6715 to serve portable RF applications such as IQ channels.

Key Features

TA = 25°C, RL = 100, Typical Values Unless Specified.

Very Low Diff. Gain, Phase: 0.02%, 0.02°

Wide Bandwidth: 480MHz (AV = +1V/V); 400MHz (AV = +2V/V)

0.1dB Gain Flatness to 100MHz

Low Power: 5.8mA/Channel

70dB Channel-to-Channel Crosstalk (10MHz)

Fast Slew Rate: 1300V/ μ s

Unity Gain Stable

Improved Replacement for CLC412

Recommended For You

LM311MX

Texas Instruments, Inc

SOP8

LMV7219M5

Texas Instruments, Inc

SOT23-5

LM348D

Texas Instruments, Inc

SOP-14

LM224N

Texas Instruments, Inc

DIP14

LM239J

Texas Instruments, Inc

CDIP14

LMV331M5

Texas Instruments, Inc

SOT23-5

LM393ADR

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

LMI93AH

Texas Instruments, Inc

CAN8

LMI11H/NOPB

Texas Instruments, Inc

CAN8