

NCS2500

1.1 mA 200 MHz Current Feedback Op Amp

NCS2500 is a 1.1 mA 200 MHz current feedback monolithic operational amplifier featuring high slew rate and low differential gain and phase error. The current feedback architecture allows for a superior bandwidth and low power consumption.

Features

- -3.0 dB Small Signal BW ($A_V = +2.0$, $V_O = 0.5 V_{p-p}$) 200 MHz Typ
- Slew Rate 450 V/ μ s
- Supply Current 1.1 mA
- Input Referred Voltage Noise 4.0 nV/ $\sqrt{\text{Hz}}$
- THD -55 dB ($f = 5.0$ MHz, $V_O = 2.0 V_{p-p}$)
- Output Current 100 mA
- Pin Compatible with EL5161, LMH6723, MAX4452
- Pb-Free Packages are Available

Applications

- Portable Video
- Line Drivers
- Radar/Communication Receivers
- Set Top Box
- NTSC/PAL/HDTV

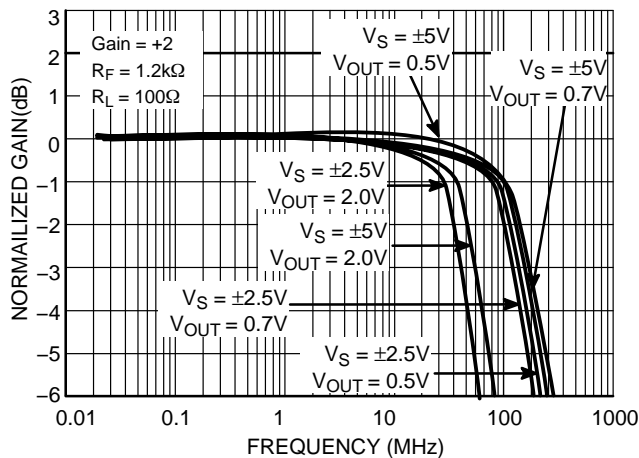


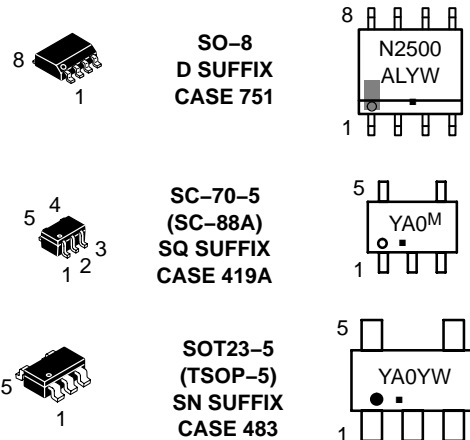
Figure 1. Frequency Response: Gain (dB) vs. Frequency $A_V = +2.0$, $R_L = 100 \Omega$



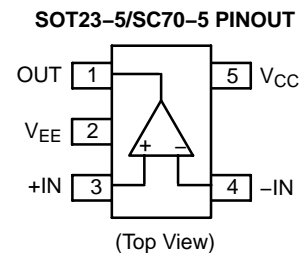
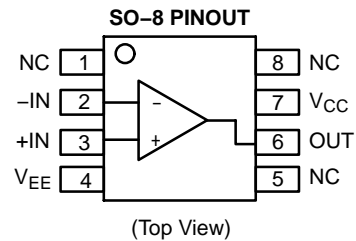
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MARKING DIAGRAMS



YA0, N2500 = NCS2500
 A = Assembly Location
 L = Wafer Lot
 Y = Year
 W = Work Week
 M = Date Code
 ■ = Pb-Free Package



ORDERING INFORMATION

See detailed ordering and shipping information in the package dimensions section on page 13 of this data sheet.