

NCS2551

500 MHz Voltage Feedback Op Amp

NCS2551 is a 500 MHz voltage feedback monolithic operational amplifier featuring high slew rate and low differential gain and phase error. The voltage feedback architecture allows for a superior bandwidth and low power consumption.

Features

- -3.0 dB Small Signal BW ($A_V = +2.0$, $V_O = 0.5 V_{p-p}$) 500 MHz Typ
- Slew Rate 1400 V/ μ s
- Supply Current 5.5 mA
- Input Referred Voltage Noise 6.0 nV/ $\sqrt{\text{Hz}}$
- THD -62 dBc ($f = 5.0$ MHz, $V_O = 2.0 V_{p-p}$)
- Output Current 100 mA
- Pin Compatible with AD8055, TSH341
- This is a Pb-Free Device

Applications

- Line Drivers
- Radar/Communication Receivers

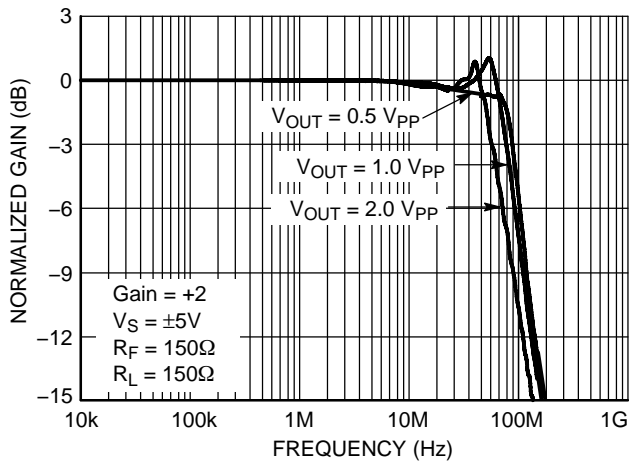


Figure 1. Frequency Response:
Gain (dB) vs. Frequency $A_V = +2.0$



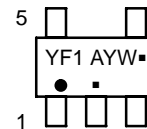
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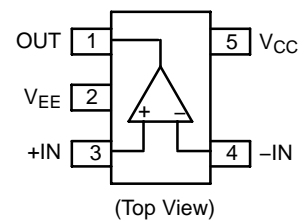
**SOT23-5
(TSOP-5)
SN SUFFIX
CASE 483**

MARKING DIAGRAM



YF1 = Specific Device Code
A = Assembly Location
Y = Year
W = Work Week
▪ = Pb-Free Package
(Note: Microdot may be in either location)

SOT23-5 PINOUT



ORDERING INFORMATION

See detailed ordering and shipping information in the package dimensions section on page 11 of this data sheet.