

NCS2550

750 MHz Voltage Feedback Op Amp

NCS2550 is a 750 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 ($A_V = +2.0$, $V_O = 0.5 V_{p-p}$) 750 MHz Typ
- Slew Rate 1700 V/ μ s
- Supply Current 13 mA
- Input Referred Voltage Noise 5.0 nV/ $\sqrt{\text{Hz}}$
- THD -64 dBc ($f = 5.0$ MHz, $V_O = 2.0 V_{p-p}$)
- Output Current 100 mA
- Pin Compatible with EL5157, AD8057
- This is a Pb-Free Device

Applications

- Line Drivers
- Radar/Communication Receivers

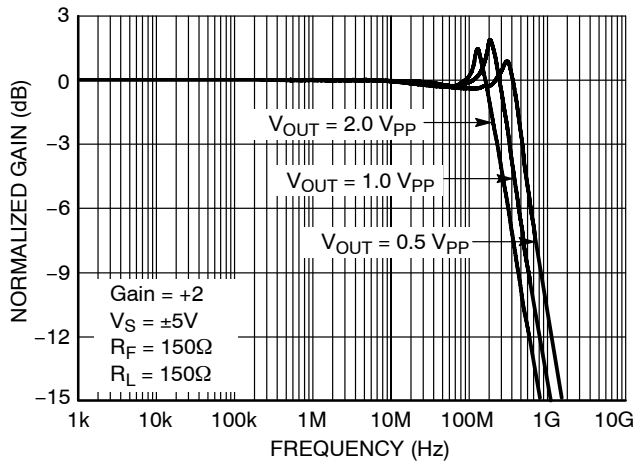


Figure 1. Frequency Response:
Gain (dB) vs. Frequency $A_V = +2.0$



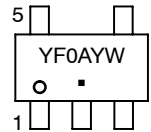
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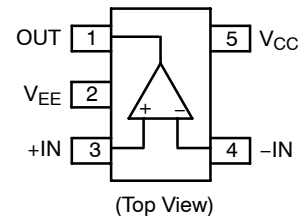
**SOT23-5
(TSOP-5)
SN SUFFIX
CASE 483**

MARKING DIAGRAM



YF0, N2550 = NCS2550
A = Assembly Location
Y = Year
W = Work Week
▪ = Pb-Free Package

SOT23-5 (TSOP-5) PINOUT



ORDERING INFORMATION

Device	Package	Shipping†
NCS2550SNT1G	SOT23-5 (TSOP-5) (Pb-Free)	3000/Tape & Reel

†For information on tape and reel specifications, including part orientation and tape sizes, please refer to our Tape and Reel Packaging Specification Brochure, BRD8011/D.