

NCS2552

750 MHz Voltage Feedback Op Amp with Fast Enable Feature

NCS2552 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. This device features an enable pin.

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
- Fast Enable Time 5.0 ns
- 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

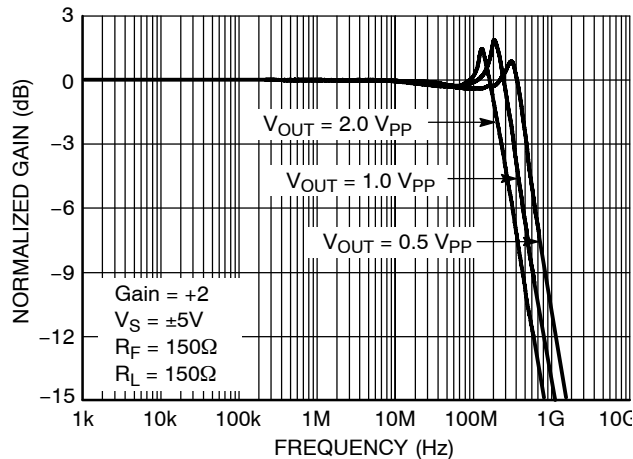


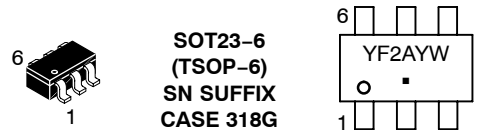
Figure 1. Frequency Response:
Gain (dB) vs. Frequency $A_V = +2.0$



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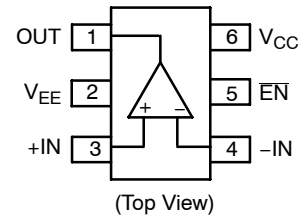
<http://onsemi.com>

MARKING DIAGRAM



YF2, N2552 = NCS2552
 A = Assembly Location
 Y = Year
 W = Work Week
 ■ = Pb-Free Package

SOT23-6 PINOUT



ORDERING INFORMATION

See detailed ordering and shipping information in the package dimensions section on page 12 of this data sheet.