

运算放大器驱动容性负载的稳定性

对于运算放大器，驱动容性负载可能是一项具挑战性的任务。牵涉到容性负载时，稳定性、带宽和建立时间都需要关注。该工具有助于防止和补救驱动容性负载可能引起的问题。该工具基于网络。请访问：www.analog.com/zh/opamp_stability

Interactive Design Tools: Operational Amplifiers : OpAmp Error Budget Calculator

An online tool to illustrate range, gain and accuracy issues with OpAmps. Select an amplifier from the pull down list, or manually enter parameters.

OP777 5V

[Instructions](#) | [Troubleshooting](#) | [Related Information](#)

Topology: $V_{FB} = 2.5$ Positive Supply $V_{OA} = 1.5$

Ideal Gain:

Ideal Node Voltages V_{IN}

$V_{IN(+)}$ V V_{REF} / V_{IN} V_{REF}

R_{S+} K ohms R_{S-} K ohms $Z_{IN} = 10K$

R_G K ohms R_{G2} K ohms

R_F K ohms R_{F2} K ohms

R_X K ohms R_L K ohms

Negative Supply

Vrms/dBm/dBu/dBV计算器

该计算器是一款用于功率测量和信号强度的标准单位换算的实用程序，可以换算dBm、dBu、dBV、Vpeak和Vrms(ANSI T1.523-2001定义)。dBm是相对于1 mW的功率比，dBu和dBV分别是相对于0.775 V和1 V的电压比。请访问：www.analog.com/zh/vrms_dbm_dbu_dbv_calculator

[Instructions](#) | [Troubleshooting](#)

Application data

Z_0 ohms

Waveform

Convert

V_{PEAK} V

V_{RMS} V

Power mW

dBm dBm

dBu dBu

dBV dBV

Voltage gain = V/V

dB

Np

V09.3