

Low Power Single Operational Amplifier

Description

LM321 is a low power, wide power range performance operational amplifier; The static current is only 430µA per amplifier (5.0V) with high unit gain frequency and A voltage swing rate of 0.4V/µs. Input common model circuit includes ground, so the device can operate in single- and dual-power applications. It can also comfortably drive large capacity loads.

APPLICATION INFORMATION

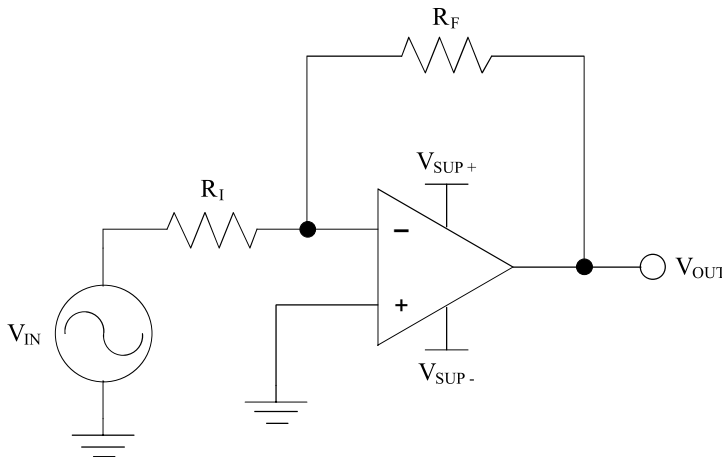


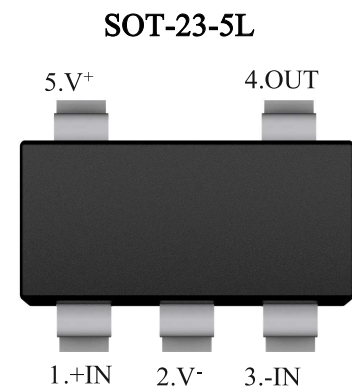
Figure 1. Application Schematic

Features

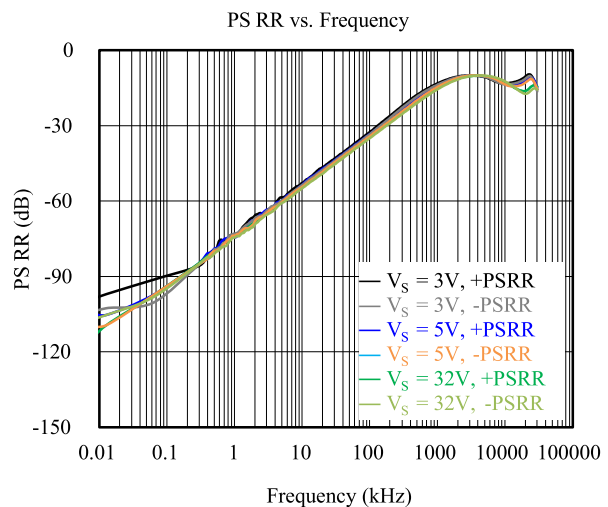
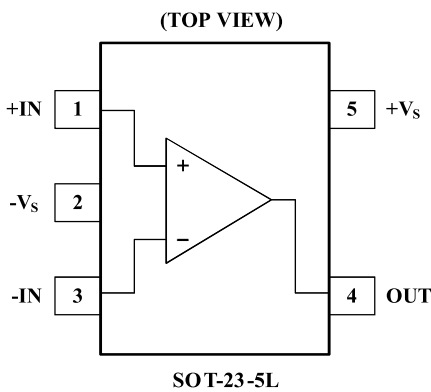
- Low quiescent current
- Low input bias current
- Wide range of supply voltage
- High capacity load stability

Application

- Communication infrastructure
- Battery charger
- Power supply



Pin arrangement diagram



Ordering Information

Part Number	Operating Temperature Range	Package	Top Mark	SPQ
LM321M5	0 to 70°C	SOT-23-5L	* * * *	3,000PCS/Reel Tape & Reel (7 inches)

Note:

- 1) LM321 devices are Pb-free and RoHS compliant.
- 2) The surface imprints of our chip devices may be modified during the production process and we will not apply separately without designing changes to electrical parameters.
- 3) If custom production is required, please contact our local business department.



ESD SENSITIVITY CAUTION

ESD damage can range from subtle performance degradation to complete device failure. Precision integrated circuits may be more susceptible to damage because very small parametric changes could cause the device not to meet its published specifications.

Note:

- The information described herein is subject to change without notice.
- ForDevices Inc. is not responsible for any problems caused by circuits or diagrams described herein whose related industrial properties, patents, or other rights belong to third parties. The application circuit examples explain typical applications of the products, and do not guarantee the success of any specific mass-production design.
- Use of the information described herein for other purposes and/or reproduction or copying without the express permission of ForDevices Inc. is strictly prohibited.
- The products described herein cannot be used as part of any device or equipment affecting the human body, such as exercise equipment, medical equipment, security systems, gas equipment, or any apparatus installed in airplanes and other vehicles, without prior written permission of ForDevices Inc.
- Although ForDevices Inc. exerts the greatest possible effort to ensure high quality and reliability, the failure or malfunction of semiconductor products may occur. The user of these products should therefore give thorough consideration to safety design, including redundancy, fire-prevention measures, and malfunction prevention, to prevent any accidents, fires, or community damage that may ensue.

Update by May.2018