

Device Information

LM741C

[Printer Friendly Version](#)

0.9MHz Single and Dual, High Gain Operational Amplifiers for Military, Industrial and Commercial Applications

DS Datasheets, Related Docs & Simulations	Description	Key Features
---	-----------------------------	------------------------------

Ordering Information

Part No.	Status	Temp.	Package	MSL
LM741CN	InActive	Comm	8 Ld PDIP	

The price listed is the manufacturer's suggested retail price for quantities between 100 and 999 units. However, prices in today's market are fluid and may change without notice.

MSL = Moisture Sensitivity Level - per IPC/JEDEC J-STD-020

SMD = Standard Microcircuit Drawing

Description

The CA1458, CA1558 (dual types); CA741C, CA741 (single types); high-gain operational amplifiers for use in military, industrial, and commercial applications.

These monolithic silicon integrated circuit devices provide output short circuit protection and latch-free operation. These types also feature wide common mode and differential mode signal ranges and have low offset voltage nulling capability when used with an appropriately valued potentiometer. A 10k Ω potentiometer is used for offset nulling types CA741C, CA741 (see Figure 1). Types CA1458, CA1558 have no specific terminals for offset nulling. Each type consists of a differential input amplifier that effectively drives a gain and level shifting stage having a complementary emitter follower output.

The manufacturing process make it possible to produce IC operational amplifiers with low burst "popcorn" noise characteristics.

Technical Data on LM Branded types is identical to the corresponding CA Branded types.

Key Features

- Input Bias Current 500nA (Max)
- Input Offset Current 200nA (Max)

Related Documentation

- [DS Datasheet\(s\):](#)
- [0.9MHz Single and Dual, High Gain Operational Amplifiers for Military, Industrial and Commercial Applications](#)

Applications

- Comparator
- Multivibrator
- DC Amplifier
- Summing Amplifier
- Integrator or Differentiator
- Narrow Band or Band Pass Filter

[About Us](#) | [Careers](#) | [Contact Us](#) | [Investors](#) | [Legal](#) | [Privacy](#) | [Site Map](#) | [Subscribe](#) | [Intranet](#)



©2005. All rights reserved.