

IC PGA DIGITAL R-R I/O TSOT23-8

Manufacturers	Analog Devices, Inc
Package/Case	SOT-23
Product Type	Amplifier ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for LTC6910-1ITS8#TRPBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The LTC6910 family are low noise digitally programmable gain amplifiers (PGAs) that are easy to use and occupy very little PC board space. The inverting gain is adjustable using a 3-bit digital input to select gains of 0, 1, 2, 5, 10, 20, 50 and 100V/V in the LTC6910-1; 0, 1, 2, 4, 8, 16, 32 and 64V/V in the LTC6910-2; and 0, 1, 2, 3, 4, 5, 6 and 7V/V in the LTC6910-3.

The LTC6910-Xs are inverting amplifiers with rail-to-rail output. When operated with unity gain, they will also process rail-to-rail input signals. A half-supply reference generated internally at the AGND pin supports single power supply applications. Operating from single or split supplies from 2.7V to 10.5V, the LTC6910-X family is offered in an 8-lead SOT-23 package.

Applications

Features

3-Bit Digital Gain Control in Three Gain-Code Options

Rail-to-Rail Input Range

Rail-to-Rail Output Swing

Single or Dual Supply: 2.7V to 10.5V Total

11MHz Gain Bandwidth Product

Input Noise Down to $8\text{nV}/\sqrt{\text{Hz}}$

Hz

System Dynamic Range to 120dB

Input Offset Voltage: 1.5mV

8-Pin Low Profile (1mm) SOT-23 (ThinSOT)

Application

Data Acquisition Systems

Dynamic Gain Changing

Automatic Ranging Circuits

Automatic Gain Control



Related Products



[LTC1151CSW#PBF](#)

Analog Devices, Inc
SOIC-16



[LT1498CS8](#)

Analog Devices, Inc
SOP-8



[LTC2053CMS8](#)

Analog Devices, Inc
MSOP8



[LTC1150CN8](#)

Analog Devices, Inc
DIP8



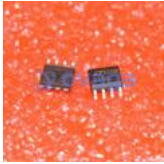
[LT1491ACS](#)

Analog Devices, Inc
SOP14



[LT6105IMS8](#)

Analog Devices, Inc
MSOP-8



[LTC1150CS8](#)

Analog Devices, Inc
SOP8



[LT1013CN8](#)

Analog Devices, Inc
DIP-8