

High-performance Op Amps sample kit



Features

- Immediate evaluation of high-performance op amps with:
 - samples of 18 operational amplifiers
 - samples of 3 comparators
- The sample kit includes a printed card providing:
 - Overview of product portfolio
 - Recommended products
 - Featured families
 - ST op amps naming rules
 - Resources: ST op amps mobile application, eDesignSuite

Description

The **KITOPAMP1120** provides a selection of operational amplifiers and comparators useful for evaluation and to promote the product family.

Product status link

[KITOPAMP1120](#)

1 Overview

STMicroelectronics offers a wide analog portfolio including high-performance amplifiers and comparators dedicated to the challenging industrial, automotive and consumer markets.

The product range is developed for various needs such as: precision, low consumption, high speed, package form factor, supply range, or cost-optimized bills of material.

The range of products allows easy and fast integration of analog products inside signal conditioning, monitoring and control solutions.

ST's op amps enhance the signal chain by being the perfect companion chips for microcontrollers and analog sensors.

Table 1. Device summary

Product	Family	Key parameter	Description	Package
Operational amplifiers				
TSB5711ILT	Up to 36 V	Low power	36 V, 380 μ A, 2.5 MHz, rail-to-rail I/O, single, BiCMOS	SOT23-5
TSB6111ILT			36 V, 125 μ A, 560 kHz, rail-to-rail output, single, BiCMOS	SOT23-5
TSB711A1ILT		High accuracy	36 V, 300 μ V, 6 MHz, rail-to-rail I/O, single, BiCMOS	SOT23-5
TSB712A1IST			36 V, 300 μ V, 6 MHz, rail-to-rail I/O, dual, BiCMOS	MiniSO-8
TSB7191A1ILT			36 V, 300 μ V, 22 MHz, rail-to-rail I/O, single, BiCMOS	SOT23-5
TSX561A1ILT	Up to 16 V	Micro power	16 V, 235 μ A, 900 kHz, rail-to-rail Input, single, CMOS	SOT23-5
TSX631A1ILT			16 V, 60 μ A, 200 kHz, rail-to-rail I/O, single, CMOS	SOT23-5
TSX7111ILT		High accuracy	16 V, 200 μ V, 2.7 MHz, rail-to-rail I/O, single, CMOS	SOT23-5
TSX9211ILT		Large bandwidth	16 V, 10 MHz, rail-to-rail I/O, single, CMOS	SOT23-5
TSX92911ILT			16 V, 16 MHz, rail-to-rail I/O, single, CMOS	SOT23-5
TSV7111ICT	Up to 5 V	High accuracy	5 V, 200 μ V, micropower (10 μ A), 150 kHz, rail-to-rail I/O, single, CMOS	SC70-5
TSV7311ICT			5 V, 200 μ V, micropower (60 μ A), 900 kHz, rail-to-rail I/O, single, CMOS	SC70-5
TSZ1211ICT		Very high accuracy	5 V, 5 μ V, 400 kHz, zero-drift, rail-to-rail I/O, single, CMOS	SC70-5
TSZ1811ILT			5 V, 25 μ V, 3 Mhz, zero-drift, rail-to-rail I/O, single, CMOS	SOT23-5
TSZ1821IST			5 V, 25 μ V, 3 Mhz, zero drift, rail-to-rail I/O, dual, CMOS	MiniSO-8
TSU1011ICT		Nano power	5 V, 580 nA, 8 kHz, rail-to-rail I/O, single, CMOS	SC70-5
TSU1111ICT			5 V, 900 nA, high-accuracy (150 μ V), 11.5 kHz, rail-to-rail I/O, single, CMOS	SC70-5
TSU1121IST			5 V, 900 nA, high-accuracy (150 μ V), 11.5 kHz, rail-to-rail I/O, dual, CMOS	MiniSO-8
Comparators				
TSX393IPT			16 V, micropower (5 μ A), open drain output, dual	TSSOP-8
TS30111ICT			5 V, high-speed (8 ns), rail-to-rail input, push pull output, single	SC70-5
TS880ICT			0.9 V, nanopower (250 nA), rail-to-rail input, open drain output, single	SC70-5

Revision history

Table 2. Document revision history

Date	Version	Changes
18-Jan-2021	1	Initial release.

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