A complete ecosystem to support design-in and shorten time to market

SIMULATION TOOL

Start your analog circuit design and simulate your project with **eDesignSuite**. Get a quick preview with fully annotated schematic and BOM and export to **eDSim** for fast and accurate electrical simulations and reliable design validation.

EVALUATION BOARD

Learn more about op amps and comparators using our training kit!
The STEVAL-CCA058V1 features a configurable board and 12 op amp adapter boards.

MOBILE APP

Download the ST Op Amps mobile app, all-in-one design toolkit and smart selector.

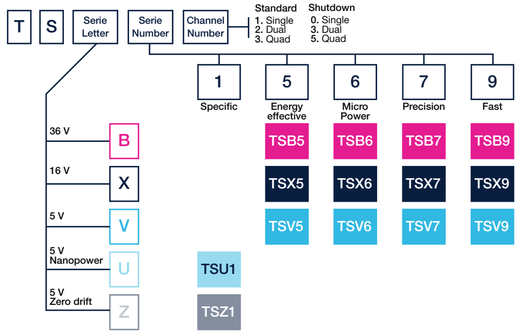
Available on the App Store | Google play | Wandoujia

www.st.com/opamps-app

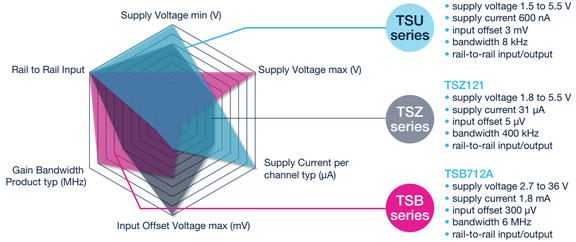
... AND MORE

Visit our dedicated page
www.st.com/OpAmpsTraining

Recommended products



Featured families: radar chart



TSU101
- supply voltage 1.5 to 5.5 V
- supply current 600 nA
- input offset 3 mV
- bandwidth 8 kHz
- rail-to-rail input/output

TSZ121
- supply voltage 1.8 to 5.5 V
- supply current 31 µA
- input offset 5 µV
- bandwidth 400 kHz
- rail-to-rail input/output

TSB712A
- supply voltage 2.7 to 36 V
- supply current 1.8 mA
- input offset 300 µV
- bandwidth 6 MHz
- rail-to-rail input/output

Inside this kit

Product	Description	Channel	Package
Nanopower			
TSU102IST	5 V, 580 nA, rail-to-rail input and output, CMOS op amp	dual	MiniSO8
TSU111IQ1T	5 V, 900 nA, rail-to-rail input and output, CMOS op amp	single	DFN6
TS883IST	0.9 V, 250 nA, rail-to-rail input, open drain output, comparator	dual	MiniSO8
16 V / 36 V rail-to-rail			
TSX562IST	16 V, 600 µV, 235 µA, 900 kHz, op amp	dual	MiniSO8
TSB512IST	36 V, 2 mV, 2.3 mA, 6 MHz, op amp	dual	MiniSO8
TSB622IST	36 V, 1.6 mV, 375 µA, 1.7 MHz, op amp	dual	MiniSO8
TSB7191AILT	36 V, 300 µV, 3 mA, 22 MHz, op amp	dual	SOT23-5L
Accuracy / Speed			
TSZ121ICT	5 V, 5 µV, 400 kHz, zero-drift, rail-to-rail input and output, op amp	single	SC70-5
TSZ151ICT	5 V, 7 µV, 1.6 MHz, zero-drift, rail-to-rail input and output, op amp	single	SC70-5
TSZ181ILT	5 V, 25 µV, 3 MHz, zero-drift, rail-to-rail input and output, op amp	single	SOT23-5L
TSV772IST	5 V, 200 µV, 20 MHz, rail-to-rail input and output, op amp	dual	MiniSO8
TSV782IST	5 V, 200 µV, 30 MHz, rail-to-rail input and output, op amp	dual	MiniSO8
TSV792IST	5 V, 200 µV, 50 MHz, rail-to-rail input and output, op amp	dual	MiniSO8
TSB182IST	36 V, 20 µV, 3 MHz, zero-drift, rail-to-rail output, op amp	dual	MiniSO8
High output current			
TSB582IDT	36 V, 200 mA output current, 3.1 MHz, op amp	dual	SO8 exposed pad
Current sensing			
TSC200IST	High voltage (80 V), current sense with open-drain comp and ref, gain 20 V/V	unidir	MiniSO8
TSC210ICT	26 V, zero-drift, current sense, gain 200 V/V	bidir	SC70-6
TSC2020IST	High voltage (100 V), precision current sense (±150 µV max), gain 20 V/V	bidir	MiniSO8
TSV7721ILT	High bandwidth (22 MHz) low offset (200 µA), low-rail 5 V op amp	single	SOT23-5L

Scan this QR-code to visit our website
www.st.com/opamps

AVNET SILICA

Ordercode: KIT24OPAMPSLCEU

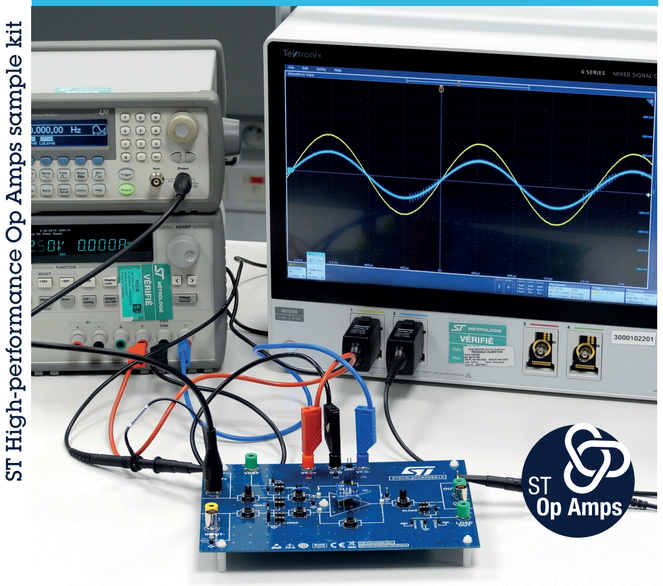
For more information on ST products and solutions, visit www.st.com

Start your design now

AVNET SILICA

High-performance Op Amps sample kit

ST High-performance Op Amps sample kit



Our values

OUR COMPANY

Independent supplier
Large portfolio
Teamwork
Agility

OUR PEOPLE

Engaged people
Expertise
Resilience
Commitment
Service
Support

WIDE HIGH-END ANALOG ICs SUPPLIER

- 50 years of experience in design and manufacturing
- High-volume supplier
- In-house technologies
- High quality (<0.01 ppm)
- 10-year longevity commitment

OUR SIGNAL CONDITIONING PORTFOLIO

- Addressing 1.5 to 44 V applications
- From -40 to 175°C operating temperature
- From commodity to high performance
- Compliance with AEC-Q100
- Tiny and wettable flanks packages

ADDRESSING CHALLENGING MARKETS

- Automotive
- Industrial
- Personnal electronics
- Communications equipment, computer and peripherals

High-performance op amps samples

Nanopower		
TSU102IST	TSU111IQ1T	TS883IST

16 V / 36 V rail-to-rail			
TSX562IST	TSB512IST	TSB622IST	TSB7191AILT

Accuracy / Speed		
TSZ121ICT	TSZ151ICT	TSZ181ILT

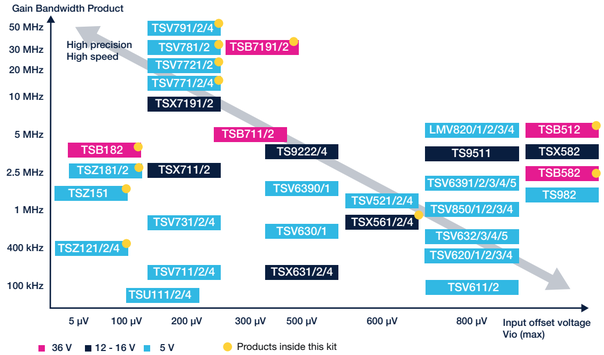
TSV772IST	TSV782IST	TSV792IST	TSB182IST

High output current
TSB582IDT

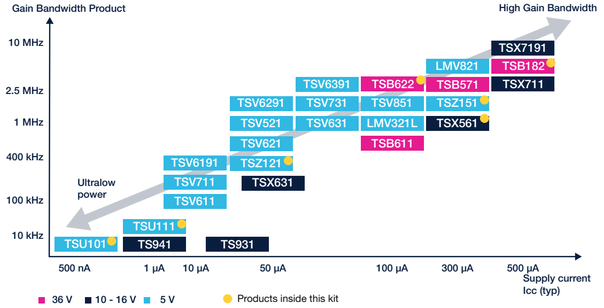
Current sensing			
TSC200IST	TSC210ICT	TSC2020IST	TSV7721ILT

Note: Samples for evaluation only

Precision op amps

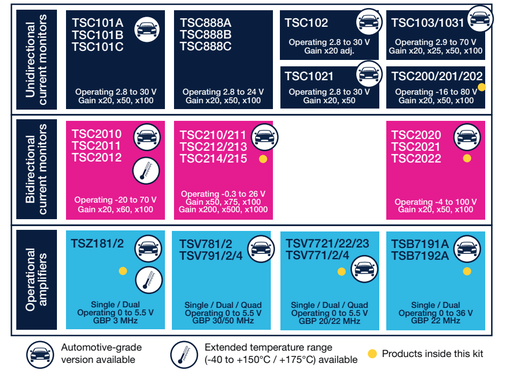


Micro and Nanopower op amps



Note: only single version of each op amp is shown, check www.st.com for dual and quad version.

Current sensing



Comparators