

NCS20282

7 MHz, Dual Operational Amplifier with Enable in CSP, Low Power

Product Overview

For complete documentation, see the data sheet.

The NCS20282 high precision op amp features a wide bandwidth along with shutdown. These amplifiers provide low bias current useful for transimpedance applications. The wide bandwidth eases the design of active filters. The NCS20282 is specified for operation from -40°C to +125°C.

Features

- Gain Bandwidth: 7MHz
- Low Bias Current: 50 pA (typ)
- Offset Voltage: 1.5mV max
- ShutDown Current: 1uA Max
- Quiescent Current: 850uA (typ), 1.3mA (max)
- Slew Rate: 5V/us
- Supply Voltage: 2.5 to 5.5V

Benefits

- Higher Speed
- Low Leakage current
- Higher accuracy
- Low Power Consumption
- Low Power
- Fast input signal response

Applications

- Transimpedance Applications

End Products

- Portable/ Handheld Devices
- Gas Detectors
- Particulate Matter sensors

Part Electrical Specifications

Product	Pricing (\$/Unit)	Compliance	Status	Rail to Rail	Channels	V _S Min (V)	V _S Max (V)	I _Q Typ (mA)	V _{OS} Max (mV)	GBW Typ (MHz)	SR Typ (V/μs)	I _O Typ (mA)	ΔV _{OS} /ΔT (μV/°C)	e _N (nV/√Hz)	I _{bias} Typ (pA)	CMRR Typ (dB)	Architecture	Temperature Range (°C)	Package Type
NCS20282FCTTAG	0.215		Active	Input/Output	2	2.5	5.5	0.85	1.5	7	5	10	2	20	50	86	CMOS	-40 to 125	WLCSP-9