

製品概要

NCS20166: Precision Operational Amplifier, Low Offset, 10 MHz, Rail-to-Rail Input / Output

技術情報は、データシートをご参照ください。

The NCS20166 features rail-to-rail input and output, and 10MHz bandwidth. This low quiescent current, low noise amplifier is trimmed to provide a low initial input offset voltage. This op amp operate over a supply range from 3.0V to 5.5V. All versions are specified for operation from -40°C to +125°C.

特長

- Bandwidth equal to 10 MHz
- Low offset voltage of 550 μ V
- Low voltage noise of 10nV/ \sqrt Hz
- Rail to Rail input and output

利点

- Fast signal acquisition
- Improves signal accuracy
- Minimize signal distortion
- Allows input and output range to the Vcc rail.

アプリケーション

- Current sensing in motor control
- Precision instrumentation
- Sensor signal conditioning

最終製品

- Industrial control systems
- Power supplies
- Automotive

電氣的仕様

製品	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/ μ s)	I _O Typ (mA)	Δ V _O s/ Δ T (μV/C)	e _N (nV/ \sqrt Hz)	I _{bias} Typ (pA)	CMRR Typ (dB)	Architecture	Temperature Range (°C)	Package Type
NCS20166SN2T1G	0.3467	Pb-free Halide free non AEC-Q and PPAP	Active	Input/Output	1	3	5.5	1.25	0.55	10	6	25	1	10	1	92	CMOS	-40 to 125	SC-74A
NCV20166SN2T1G	0.4	AEC Qualified PPAP Capable Pb-free Halide free	Active	Input/Output	1	3	5.5	1.25	0.55	10	6	25	1	10	1	92	CMOS	-40 to 125	SC-74A

詳細は、弊社 www.onsemi.jp の営業または販売代理店にお問い合わせください。

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