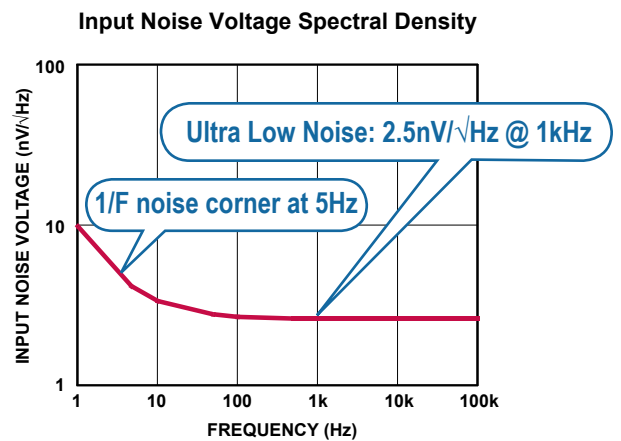
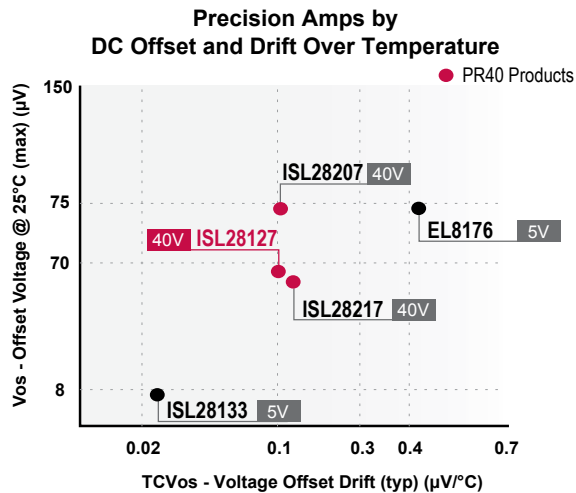


40V Low Noise, Precision Bipolar Op Amp

New Wave of Amplifiers from Intersil's PR40-Precision-SOI Advance Bipolar Process

Intersil's ISL28127 is a high voltage precision op amp, delivering low frequency noise, low distortion, ultra low offset and low drift offset.

20% lower noise at 30% less power than competition



Key Features

- Very Low Voltage Noise 2.5nV/√Hz
- Low Input Offset 70µV, Max.
- Superb Offset Drift 0.5µV/°C, Max.
- Wide Supply Range 4.5V to 40V
- Gain-bandwidth Product. 10MHz Unity Gain Stable
- Outstanding ESD performance
 - Human Body Model: 4.0kV

Applications

- Instrumentation
- Industrial / Process Control
- Data Acquisition
- Chromatography Equipment
- Low Noise, High Gain Signal Frontends
- Loop Filters
- Audio Analyzers



Low Noise Precision Amplifiers

Part	# Amp	In/Out	V _S Min (V)	V _S Max (V)	I _{SS} /Amp Max	V _{OS} Max	V _{OS} Drift (µV/°C typ)	I _B Max	V _N @ 1kHz (nV/√Hz)	V _N @ 10Hz (nV/√Hz)	Peak Noise (0.1Hz to 10Hz) (µVpp)	I _N @ 1kHz (pA/√Hz)	THD+N (%)	GBW	Slew Rate (V/µs)	Package	\$ @ 1K
ISL28190	1	RRO	3	5.5	11mA	700µV	1.9	16µA	1	1.8	-	2.1	0.00017	170MHz	50	SOT23-6, µTDFN	\$1.58
ISL28290	1	RRO	3	5.5	11mA	700µV	1.9	16µA	1	1.8	-	2.1	0.00017	170MHz	50	SOIC8, TQFN, MSOP	\$2.38
ISL28191	1	RRO	3	5.5	3.5mA	630µV	3.1	6µA	1.7	1.5	-	1.8	0.00018	61MHz	17	SOT23-6, µTDFN	\$1.32
ISL28291	2	RRO	3	5.5	3.5mA	630µV	3.1	6µA	1.7	1.5	-	1.8	0.00018	61MHz	17	SOIC8, TQFN, MSOP	\$2.38
ISL28127	1	N	4.5	40	2.8mA	70µV	0.1	10nA	2.5	3	0.08	0.4	0.0002	10MHz	3.6	SOIC8	\$1.05