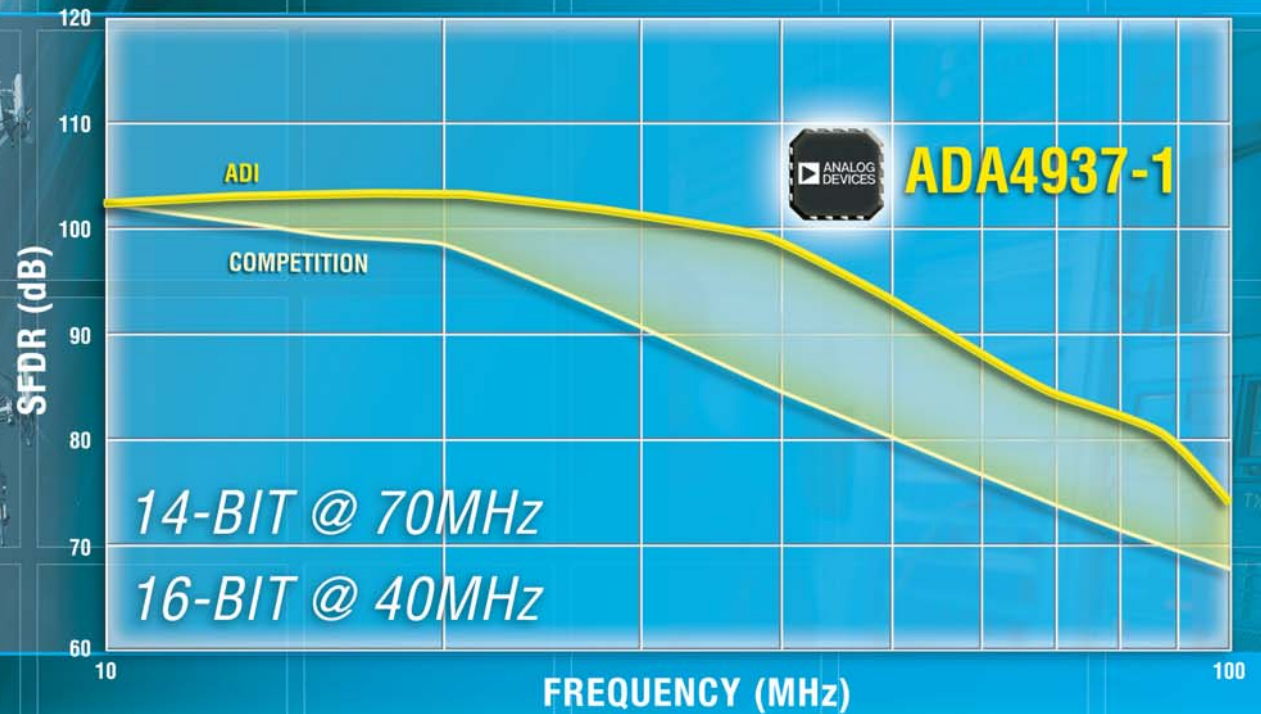


# Diff amps that maximize ADC performance. With ADC drivers, analog is everywhere.



## Lowest distortion from dc to 100 MHz

The ADA4937 and ADA4938 set new differential amplifier performance standards from dc to 100 MHz. Best-in-class low noise, low distortion, high SFDR, and wide bandwidth combine to make both parts ideal for driving high speed, 12- to 16-bit ADCs. For example, now you can have true 14-bit performance at 70 MHz, and true 16-bit performance at 40 MHz. Additional features include adjustable gain and output common-mode voltage, a wide supply range, and small LFCSP packaging.

For more information on our diff amps for dc- and ac-coupled designs, please visit our website or dial 1-800-AnalogD.

ADC	Bits	Channel Count	MSPS	Driver	
				ADA4937-1	ADA4938-1
AD9460/1	16	1	80/105/130		•
AD9446	16	1	80/100	•	•
AD9246/33	14/12	1	80/105/125		•
AD9245	14	1	20/40/65/80		•
AD9445	14	1	105/125	•	•
AD9254	14	1	150		•
AD6654	14	1	92.16	•	
AD9235/6	12	1	20/40/65/80		•
AD9230/11	12/10	1	170/210/250	•	
AD9215	10	1	65/80/105		•
AD9283	8	1	50/80/100		•
AD9480/1	8	1	250	•	
AD9640/27	14/12	2	80/105/125/150		•
AD9216	10	2	65/80/105		•
AD9288	8	2	40/80/100		•



### ADA4937-1

- -120 dBc/-102 dBc HD2/HD3 @ 10 MHz
- -98 dBc/-100 dBc HD2/HD3 @ 40 MHz
- -84 dBc/-90 dBc HD2/HD3 @ 70 MHz
- Input voltage noise: 2.2 nV/√Hz
- -3 dB BW @ 1.6 GHz, G = 1
- 5000 V/μs slew rate
- V<sub>S</sub> = 3.3 V to 5 V
- Price: \$3.79/1k



### ADA4938-1

- -112 dBc/-108 dBc HD2/HD3 @ 10 MHz
- -96 dBc/-93 dBc HD2/HD3 @ 30 MHz
- -79 dBc/-81 dBc HD2/HD3 @ 50 MHz
- Input voltage noise: 2.2 nV/√Hz
- -3 dB BW @ 1.5 GHz, G = 1
- 4700 V/μs slew rate
- V<sub>S</sub> = 5 V to 10 V
- Price: \$3.79/1k