

Requirements for the DAC

resolution: 16 bit
 sample rate: ≥ 10 MSPS

model	DAC5687	AD768	AD9747	MAX5895	MAX5898	LTC1668
DACs in package	2	1	2	2	2	1
Sample rate	500 MSPS	30 MSPS	250 MSPS	500 MSPS	500 MSPS	50 MSPS
Settling time	12 ns	25 ns				20 ns
DNL	3	2	2	1	1	Typ 1, max 4
INL	6	4	4	3	3	Max 8
SFDR	80 dB	86 dB	82 dB	90 dB @ 10MHz	89 @ 10MHz	87 @ 10 MHz
Output type	current	current	current	current differential	current differential	current differential
Interface	parallel	parallel	parallel	parallel	Interleaved, LVDS	parallel
Power consumption	1410 mW	465 mW	315 mW	511 mW	340 mW	180 mW
Price	28.15\$	31 \$	18.92 \$	19.70 \$	22.45 \$	13.75 \$