

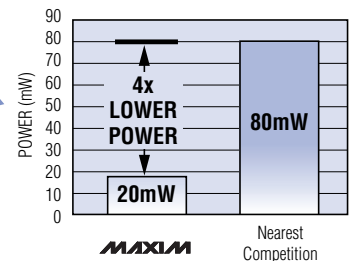
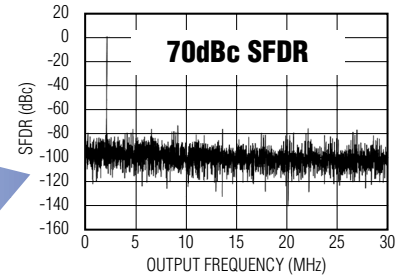
I/Q DACs DELIVER 70dBc SFDR AT LOWEST POWER: 18mW!

Dual 8- and 10-Bit 40MHz DACs Support Portable, Single-Bus Interleaved Applications

Get All This...

- ◆ $\pm 1\%$ FSR Gain Error; $\pm 0.2^\circ$ Phase Error
- ◆ 20mW (Dual) and 18mW (Single) Power at 3V
- ◆ Low, 5pVs Glitch Energy for Ultra-Low Distortion
- ◆ Single 2.7V to 3.3V Supply Operation
- ◆ Small 24-Pin (Single) or 28-Pin (Dual) QSOP Packages
- ◆ Single and Dual, 8-Bit and 10-Bit Versions
- ◆ 70dBc SFDR at 2.2MHz f_{OUT}
- ◆ Shutdown ($< 1\mu A$) and Standby Modes to Save Power
- ◆ Priced at \$2.73[†]

Plus...



Choose Maxim for Your High-Performance 8- or 10-Bit DAC Applications

PART	RESOLUTION (Bits)	NO. OF DACs (UPDATE)	SFDR (dBc)	FSR GAIN MISMATCH (%)	PHASE MISMATCH ($^\circ$)	OUTPUT
MAX5180/MAX5183	10	2 (Simultaneous)	70	± 1	± 0.2	I _{OUT} /V _{OUT}
MAX5181/MAX5184	10	1	70	N/A	N/A	I _{OUT} /V _{OUT}
MAX5182/MAX5185	10	2 (Alternate Phase)	70	N/A	N/A	I _{OUT} /V _{OUT}
MAX5186/MAX5189	8	2 (Simultaneous)	68	± 1	± 0.2	I _{OUT} /V _{OUT}
MAX5187/MAX5190	8	1	68	N/A	N/A	I _{OUT} /V _{OUT}
MAX5188/MAX5191	8	2 (Alternate Phase)	68	N/A	N/A	I _{OUT} /V _{OUT}

Note: Alternate phase update dual DAC versions available for applications requiring lowest latency.

[†]1000-*u* recommended resale. Prices provided are for design guidance and are FOB USA. International prices will differ due to local duties, taxes, and exchange rates. Not all packages are offered in 1k increments, and some may require minimum order quantities.



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