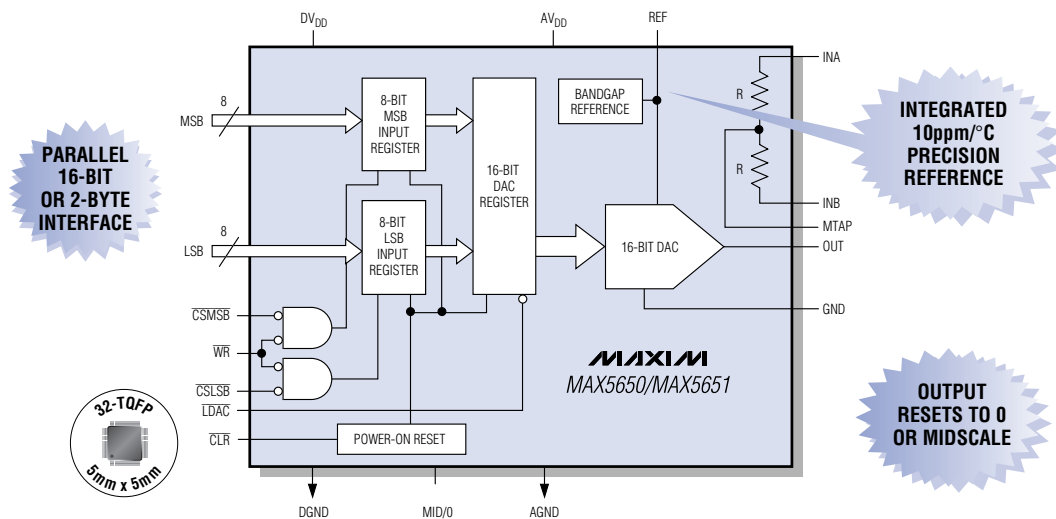


INDUSTRY'S SMALLEST 16-/14-/12-BIT, PARALLEL-INPUT DACs FIT IN 5mm x 5mm TQFP

The MAX5650–MAX5658* family of DACs are available with or without an integrated precision (10ppm/°C) reference. These devices feature a fast 3ms settling time and operate over the extended (-40°C to +85°C) temperature range.



- ◆ Single +3V or +5V Supply
- ◆ Guaranteed Monotonic over Temperature
- ◆ ±2LSB INL (max, 16-Bit "A" Grade)
- ◆ Fast 3μs Settling Time
- ◆ CLR Resets Output to Zero or Midscale
- ◆ Integrated Precision Resistors for Bipolar Operation
- ◆ Internal Precision Bandgap Reference (10ppm/°C Drift)
 - ◆ +4.096V (+4.75V to +5.25V AV_{DD})
 - ◆ +2.048V (+2.7V to +5.25V AV_{DD})
- ◆ -40°C to +85°C Temperature Range

Part	Resolution (Bits)	Reference (V)	Supply Voltage (V)	Price [†] (\$)
MAX5650	16	+4.096	+4.75 to +5.25	8.50
MAX5651	16	+2.048	+2.7 to +5.25	8.50
MAX5652	16	EXT	+2.7 to +5.25	8.50
MAX5655*	14	EXT	+2.7 to +5.25	7.29
MAX5658*	12	EXT	+2.7 to +5.25	6.75

*Future product—contact factory for availability.

†1k piece price provided is for design guidance and is 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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