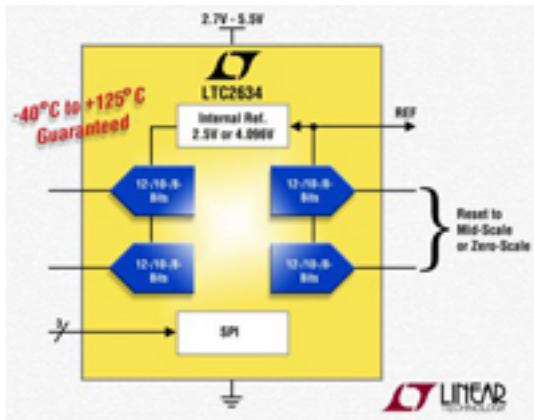


Celsius Reference



Linear Technology Corporation introduces the LTC2634 quad 12-bit, 10-bit and 8-bit rail-to-rail digital-to-analog converters (DACs), which integrate a precision reference in tiny 3 mm x 3 mm QFN and MSOP packages. The LTC2634's small size and internal reference is important for a variety of industrial, automotive and ATE applications. By integrating a 10ppm/°C reference, the LTC2636 offers further space reduction for compact circuit boards. The device offers 12-bit performance of $\pm 1772.5\text{LSB}$ (max) INL error and $< 2.4\text{nV}$ crosstalk, ensuring that a voltage change on one DAC has minimal effect on the other DACs. Operating from a single 2.7 to 5.5 V supply, supply current is a low 125 μA per DAC.

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