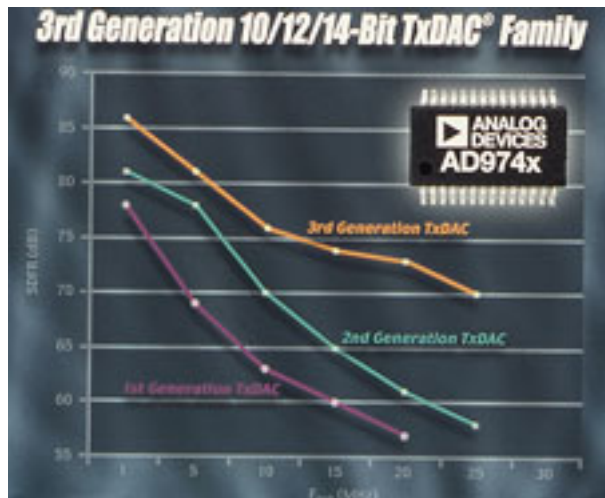


High-Speed Converters



The third generation of TxDAC[®] digital-to-analog converters includes the 14-bit AD9744, the 12-bit AD9742, and the 10-bit AD9740. The family is optimized for the transmit signal path of communications infrastructure, including cable head-end systems, optical networking systems, and multi-carrier 3G base stations. Low power dissipation and 3 V operation also make them ideal for portable applications. The AD9744 has typical integral nonlinearity of ± 0.8 LSB and differential nonlinearity of ± 0.5 LSB at 14-bits. The devices have differential current outputs from 2 mA to 20 mA and include a 1.2 V temperature-compensated band gap voltage reference. They operate on a single 3.0 V to 3.6 V supply and consume 135 mW.

Source URL (retrieved on 01/31/2015 - 1:01pm):

<http://www.wirelessdesignmag.com/product-releases/2002/11/high-speed-converters>