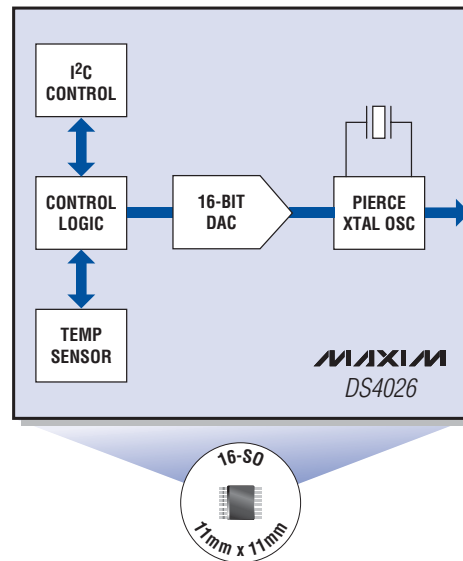
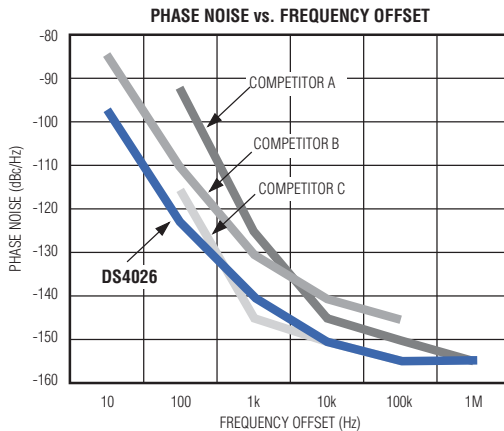


HIGHLY ACCURATE TCXO INTEGRATES TUNING AND CONTROL DAC

Provides Better than 2 Parts per Billion Tuning Resolution

The DS4026 is an extremely accurate TCXO for wireless applications, SONET/SDH systems, instrumentation, and test systems. It is guaranteed accurate and stable to better than $\pm 1\text{ppm}$ over the -40°C to $+85^{\circ}\text{C}$ industrial temperature range and better than $\pm 4.6\text{ppm}$ under all conditions. With an integrated 16-bit control DAC, frequency trimming is accomplished by I^2C control with resolutions better than 2ppb and ranges greater than $\pm 8\text{ppm}$. The device operates from a $3.3\text{V} \pm 5\%$ supply voltage and is packaged in a standard 300-mil, 16-pin SO.



- ◆ $< \pm 1\text{ppm}$ Accuracy
- ◆ Overall Stability of $< \pm 4.6\text{ppm}$ Under All Conditions
- ◆ Integrated 16-Bit DAC for Tuning
- ◆ Integrated Temperature Sensor with $\pm 3^{\circ}\text{C}$ Accuracy
- ◆ I^2C Control Interface
- ◆ Phase Noise: $< -140\text{dBc}$ at 1kHz Frequency Offset
- ◆ 12.8MHz to 51.84MHz Frequency Range
- ◆ Custom Frequencies Available



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