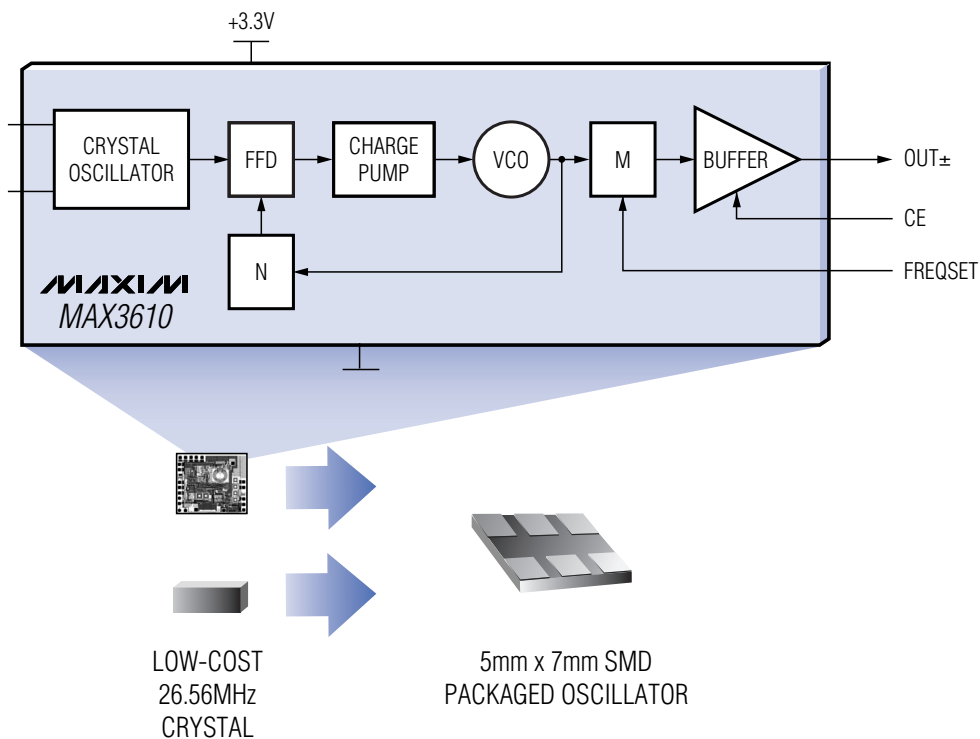


# USE AN INEXPENSIVE 26.56MHz CRYSTAL TO PROVIDE A 4Gbps FIBRE CHANNEL OSCILLATOR SOLUTION

## On-Chip VCO Achieves 0.7ps<sub>RMS</sub> Jitter at 212.5MHz Output

The MAX3610 integrates the lowest cost 26.56MHz crystal oscillator circuit and a phase-locked loop (PLL) to generate 106.25MHz or 212.5MHz, LVDS/LVPECL differential clock outputs. Using Maxim's high-speed, low-noise integrated VCO technology, the MAX3610 provides the lowest cost oscillator solution optimized for 4Gbps fibre channel applications.

The MAX3610 operates from a single +3.3V supply and consumes only 145mW. Its tiny 1.8mm x 1.6mm die size makes the MAX3610 easy to assemble into a 5mm x 7mm SMD oscillator module. The MAX3610 is offered in die form for both LVPECL output (MAX3610A) and LVDS output (MAX3610B) and is priced at \$0.85<sup>†</sup>.



<sup>†</sup>10,000-up 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.

# MAXIM

[www.maxim-ic.com](http://www.maxim-ic.com)

**FREE Fiber Design Guide—Sent Within 24 Hours!**

CALL TOLL-FREE 1-800-998-8800 (6:00 a.m.—6:00 p.m. PT)

For a Design Guide or Free Sample

MAXIM/DALLAS  
**DIRECT!**  
DISTRIBUTION  
1-888-MAXIM-IC

ARROW  
ARROW ELECTRONICS, INC.  
1-800-777-2776

AVNET  
CILICON  
1-800-332-8638

Distributed by Maxim/Dallas Direct!, Arrow, Avnet Electronics Marketing, Digi-Key, and Newark.

MAXIM is a registered trademark of Maxim Integrated Products, Inc. DALLAS is a registered trademark of Dallas Semiconductor, Corp. © 2004 Maxim Integrated Products.