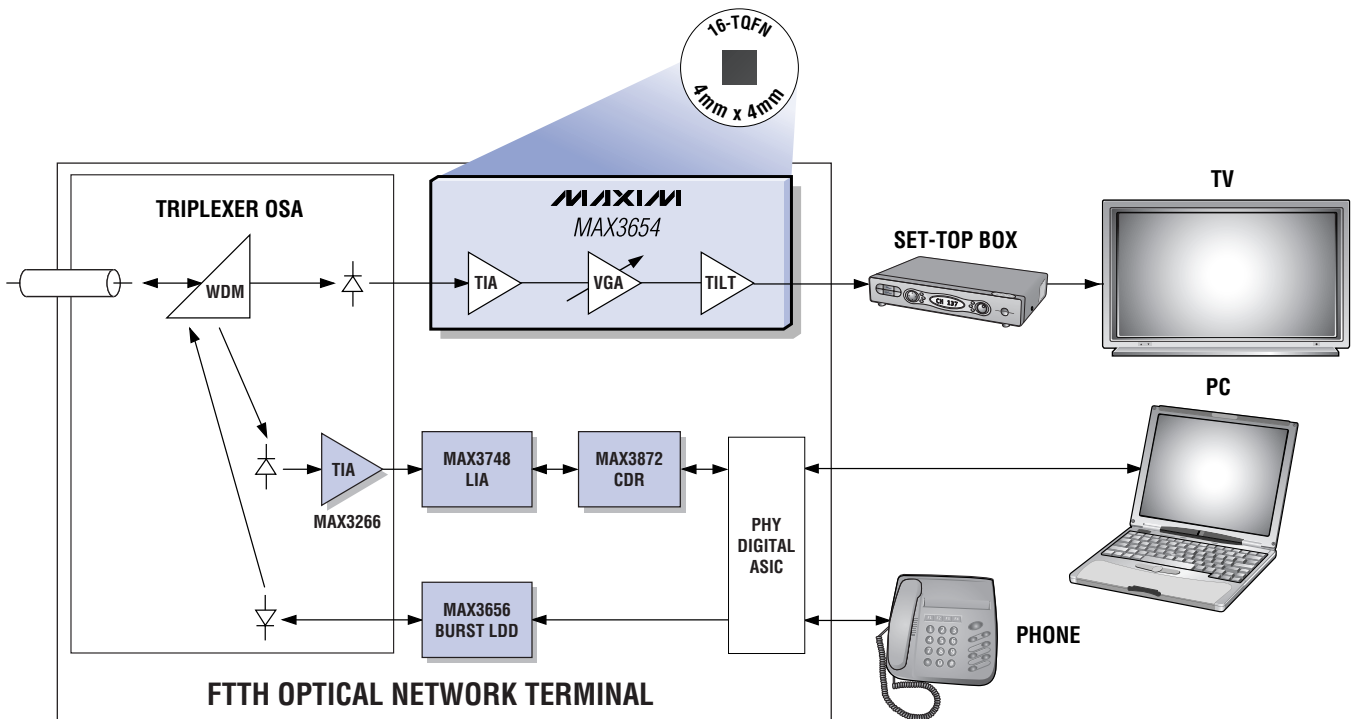


WORLD'S FIRST INTEGRATED CATV VIDEO AMPLIFIER MAKES FTTH ONT DESIGN EASY

High-Performance Analog TIA with On-Chip Gain Control Reduces External Component Counts

Fiber-to-the-home (FTTH) video-overlay design complexity is now easier with Maxim's new CATV video transimpedance amplifier (TIA). The MAX3654 is a high-performance 47MHz to 870MHz, subcarrier-multiplexed CATV video-signal solution for FTTH optical-network-terminal (ONT) applications. With advanced SiGe and state-of-the-art low-noise design architecture, the MAX3654 provides -6dBm to +2dBm optical dynamic range and excellent CSO and CTB in BPON and GPON video applications. Available in a small 4mm x 4mm TQFN package, the MAX3654 operates from a 5V single supply, consumes only 700mW, and is priced at \$5.25†.



†10k 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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