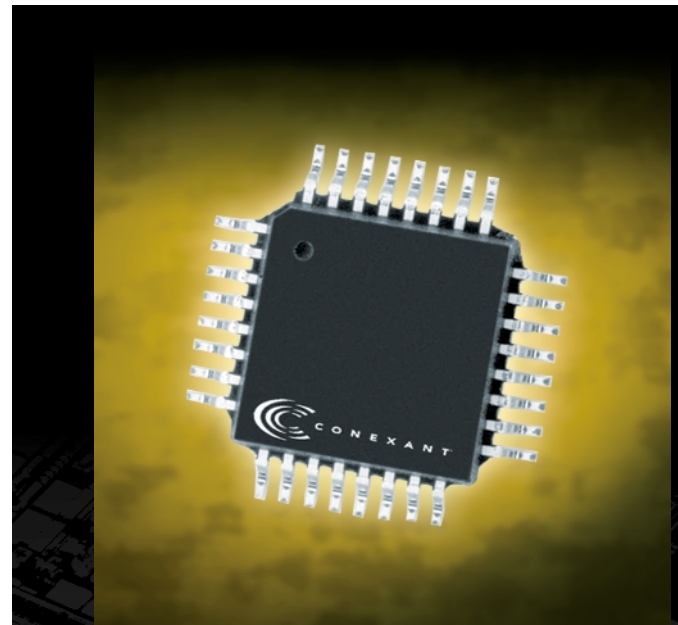
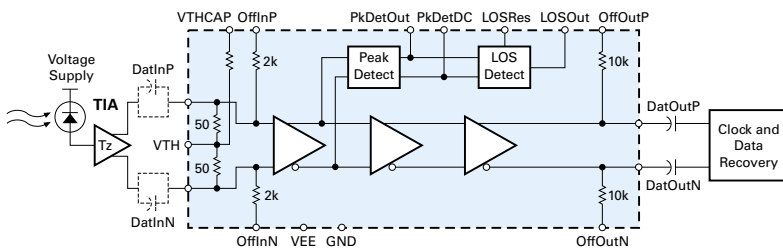




# 10 Gbps Post-Amplifier

## CX60083

The CX60083 is an ideal device for high-speed fiber-optic module manufacturers. The 10 Gbps limiting amplifier is one of the industry's first devices to provide integrated loss-of-signal and peak-detect circuits in a high-speed, compact, 32-pin plastic TQFP. Providing the correct mix of gain and dynamic range, the CX60083 lets designers build fiber-optic modules with stable characteristics, even at data rates of 10.7 Gbps.



### Distinguishing Features

- Data rates up to 10.7 Gbps
- High input sensitivity: 10m Vp-p differential
- 36 dB of small signal gain
- 44 dB dynamic range
- Works with DC- or AC-coupled input signals
- Fully differential architecture
- Optional single-ended operation
- Low power consumption: 700 mW maximum
- -5.2V power supply
- GaAs process HBT, 32-pin plastic TQFP