

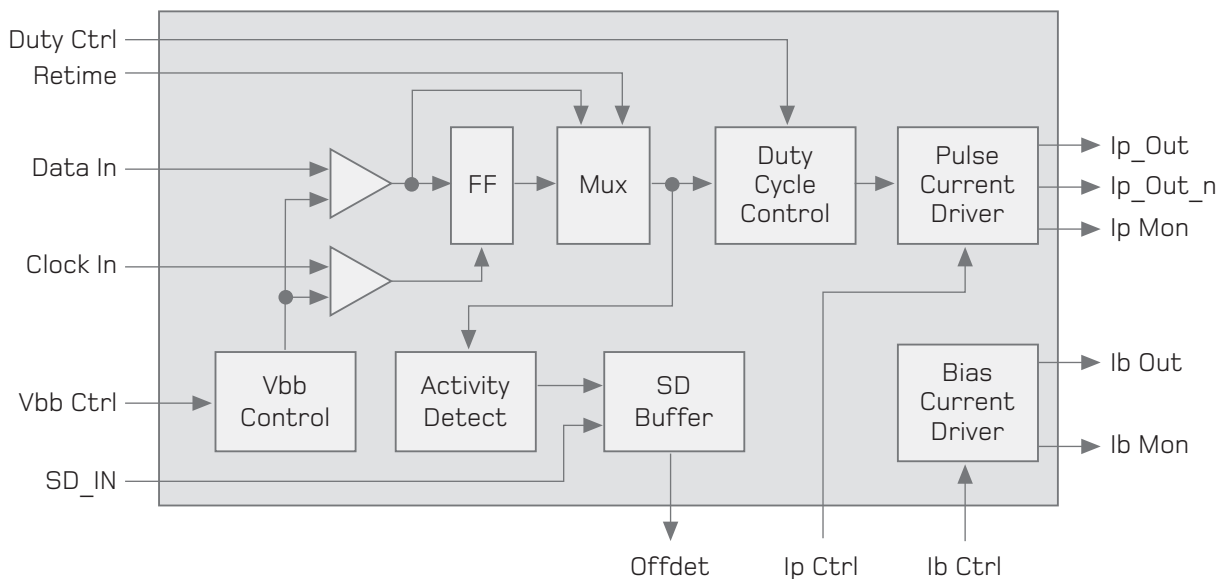
2.5 Gbps Laser Driver

CX60077

The CX60077 laser diode and laser modulator driver is designed for long-haul fiber-optic communication applications. It allows module manufacturers to build modules capable of driving light signals long distances through fiber-optic cables. Conexant's vastly improved GaAs process makes the device's superior performance possible. The device provides high voltage and current drive capabilities both single-ended and differentially, and has an excellent range for bias current drive and modulated current.

KEY FEATURES

- CML interface (capable of receiving ECL level)
- Power consumption: 0.4 W to 1.2 W, depending on bias and pulse current
- 50Ω input impedance
- Input data/clock failure detection function
- Pulse/bias current monitors
- 1 to 80 mA laser diode bias current range
- 5 to 80 mA pulse current range
- - 5.2 V power supply
- GaAs HBT process, 32-pin CQFP



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