



February 21, 2020

## Optical Component Design Engineer

**About Us:** Vixar is a subsidiary of Osram Opto Semiconductor. Vixar manufactures short wavelength (660nm-1000nm) VCSEL-based optical components and subassemblies for sensor and device applications within the biomedical, industrial, office product, automotive and consumer industries.

This could be your opportunity to join the exciting technology industry in a fast-paced, challenging environment!

We offer a unique opportunity to make a significant contribution to our growing company. For more information, please visit us at [www.vixarinc.com](http://www.vixarinc.com).

### Qualifications:

Vixar is seeking an experienced product development professional to help drive growth of the company. We are looking for candidates with the following attributes:

- A minimum of five years of professional experience in a commercial semiconductor based product development role
- An advanced degree, or equivalent experience in electrical, mechanical, or optical engineering
- Knowledge of optoelectronic packaging and components, optical design, and related board and circuit design
- Experience developing optical packaging solutions and developing the supply chain, documentation and test plans to support manufacturing
- Experience in electrical and optical testing, and hands on knowledge in the use of oscilloscopes, pattern generators, RF amplifiers, optics (lenses, beam splitters, polarizers, etc), optical fibers, laser drivers, receivers/photodetectors.
- Experience with printed circuit board design, RF design and simulation, mechanical and thermal analysis of component sub-assemblies and associated CAD tools
- A disciplined approach to project management, product development and problem solving

### Job Description:

The successful candidate will be responsible for developing packaged optoelectronic devices and components. These may range from single packaged chips to subassemblies incorporating

the VCSEL, photodetector, drive circuitry, optics and other passive or active components. This may involve the following activities.

- Translate customer requirements into a set of product specifications
- Design packaging for products based upon our optoelectronic components, i.e. packages or boards which could include the laser, driver, lens, detector and/or amplification circuits
- Develop test and performance specifications and documents for new products. This includes test plans, process specifications and tolerances.
- Develop customer support materials, including data sheets, application notes, and evaluation boards
- Design for reliability and manufacturability
- Support the transfer of the design to production
- Document product designs
- Provide technical support to customers

**Please send resumes to:**

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