



Senior Power Application Engineer

Type: Full-time
Reports To: Director of Applications Engineering
Location: San Diego, California

Job Description and Responsibilities

Essential Duties and Responsibilities

- Characterization and benchmarking of power semiconductor devices.
- Computer simulation of product performance in applications.
- Guidance to product design on device parameter optimization.
- Preparation of product support documents.
- Support of product engineering by implementation of electrical testing of products.
- Support FAE's in customer support.
- Understand and translate market & customer requirements into product specifications. Perform technical competitive analysis.
- Analyze and test customer application boards to optimize power system size, efficiency and cost.
- Provide technical support and develop close working relationships with customers.
- Create development kit & reference designs as well as the appropriate support documentation.
- Lead customer demonstrations & conference technical presentations
- Create hardware related customer support documents, application notes, and FAQs.
- Work with engineering to implement hardware and/or procedures to satisfactorily test hardware.
- Requires periodic travel for support of customers' product development.

Required Skills and Experience

Must possess/demonstrate the following:

- MS in Electrical Engineering or a related field. In the alternative, will accept a BS in Electrical Engineering or a related field and 5 years of progressive hands on application experience with power management
- Academic or industry experience with: (1) Power semiconductor market and applications; (2) Power device characterization; (3) Test board; (4) Reference design; (5) Circuit simulation using ORCAD, Cadence, or similar tools; and (6) Power IC design and schematic capture