

## **Sr. Staff UHV Power IC Design Engineer**

**Type:** Full-time  
**Reports To:** **Director of Design**  
**Location:** San Diego, CA

---

The Sr. Staff UHV Power IC Design Engineer role will primarily include Low, Medium and Ultra-High Voltage (700V) IC design used in AC/DC Power conversion. The Designer will have a variety of responsibilities including:

- Research and development of state-of-the-art analog and mixed signal products for AC/DC markets from definition to production release
- Technical leadership during IC development including peer mentorship
- Collaboration with other functional teams during product development
- Development of products to meet performance and cost targets per schedule
- Limited travel - 0 to 2 times per year

### QUALIFICATIONS AND EDUCATION REQUIREMENTS

- BSEE Required; MSEE or PhD preferred
- 12+ years professional experience in Power Management including analog and mixed signal design. 7+ years of experience in UHV design in AC/DC Power Conversion
- Experience serving as a Design Lead
- Extensive experience in Analog integrated circuit design and analysis
- Extensive experience In Power electronics and switched mode power supplies
- Able to Utilize CAD tools for analog/mixed signal simulation and layout
- Application of device physics and fabrication processes toward IC design
- Results driven with strengths in communicating and meeting project schedules
- Verilog-A, Verilog-ams or HDL language and simulation experience is a plus
- Strong written and verbal communication skills required
- Proven track record taking products from initial definition to mass production
- Experience working with cross-functional teams
- Creative and Innovative
- Strong knowledge of parasitic and noise analysis
- Knowledge of 1.8V to 700V processes
- Strong knowledge of best Layout practices
- Strong analytical and debug skills
- Continuous improvement mindset
- Self-motivated, driven, and passionate individual with a focus on results