



Jr. Electronics Test Technologist or Engineer

This is a key sustaining engineering role working closely with other Engineering team members and supply chain in the continuous improvement and new development of high reliability power conversion products in the 100W to 2kW power range. You will perform testing and qualification, write requirements and test plans, and then create test reports to show compliance to technical, cost, and regulatory requirements.

Responsibilities:

- ▶ Performs testing and troubleshooting of power electronics analog circuitry
- ▶ Constructs prototypes, jigs, fixtures and develops test plans for experiments to meet quality and reliability objectives
- ▶ Produces test reports, specifications, hardware and test requirements using established guidelines
- ▶ Work closely with design engineers to identify and source alternate component sources during initial product design and to develop design verification test plans.
- ▶ Develop component specifications for alternate sourcing
- ▶ Component selection, testing, evaluation and documentation of improved and new power conversion product designs based on cost, manufacturability, performance and reliability
- ▶ Implement Engineering Change Orders and update Bills of Materials
- ▶ Work as part of a team, and supports other technical members with related product development tasks to help achieve project goals and timelines

Qualifications:

- ▶ A Diploma or Bachelor's Degree in Electronics Engineering
- ▶ 2 years experience commercializing power electronics products including: selecting and qualifying alternate components; writing test plans; and performing design verification and regulatory testing
- ▶ Good understanding of electronic power converters, analog control circuits, and thermal design
- ▶ Good organizational and documentation skills
- ▶ Proven proficiency utilizing a variety of equipment including oscilloscopes, frequency response analyzers, spectrum analyzers, power meters, data loggers and environmental chambers
- ▶ Experience with analog circuits, micro-processor based circuitry, switch-mode power supplies
- ▶ Experience with EMC testing (FCC/CE) and/or safety testing (CSA)
- ▶ Experience soldering SMT components is an asset



THE POWER OF RELIABILITY

- ▶ Experience with embedded digital control systems an asset
- ▶ Excellent communication and organizational skills, along with the ability to work with others to achieve project goals and time lines
- ▶ Experience with and a passion for continuous improvement of products as well as testing and documentation processes

In addition to providing your resume, qualified candidates are requested to provide a cover letter explaining why they'd like to work at ICT and how their experience and qualifications match ICT's job requirements. Only qualified candidates will be contacted.

Innovative Circuit Technology is a leading manufacturer of high efficiency switch-mode power conversion products for a variety of global industries. We pride ourselves on the quality and reliability of our products and on the high level of our customer service and are looking for team members who share our passion and culture. We offer a competitive benefits package including prescription, medical, vision, and dental coverage, RSP matching, sick days, and vacation days.

For more information, please see: www.ict-power.com

Interested candidates should send resume and covering letter to:
steve.mallinson@ictcorporate.com