

Dow-Key Microwave Corporation

Job Description for

Senior Electromechanical Engineer

Summary:

Using advanced education and specialized skills, leads a design team to develop state of the art high end electromechanical RF switches and related subsystems.

Typical Responsibilities:

- Designs and develops electromechanical RF waveguide switches, coaxial switches and related subsystems
- Provides direction and project management oversight for overall mechanical design effort.
- Manages multiple projects simultaneously
- Ensures designs meet all cost, functional, manufacturing, reliability, regulatory, and environmental requirements
- Leads and mentors less experienced engineers.
- Works with Sales, Manufacturing and other Engineering personnel during product conceptualization phases and throughout project.
- Utilizes 2D and 3D CAD systems to perform detailed design and mechanical analyses.
- Performs materials and tooling cost studies.
- Works with suppliers to develop cost effective designs.
- Develops detailed fabrication specifications and Quality Assurance protocols.
- Initiates, leads, and participates in mechanical design reviews with other engineering and manufacturing personnel.

Supervision: Does not supervise anyone

Knowledge Skills and Abilities:

- Graduate degree in Mechanical or Electrical Engineering and minimum 8 years of work experience in designing electromechanical components and assemblies.
- Project engineering experience and demonstrated mechanical project management skills
- Experience in analyzing complex technical problems involving thermal analysis and mechanical packaging of systems with moving parts.
- Working knowledge of solid model software, preferably Solidworks, and working knowledge of finite element analysis preferably using COSMOS
- Demonstrated organizational and interpersonal skills.
- Demonstrated communication skills, including written and oral presentations
- Experience working in the RF/Microwave field required

Physical Requirements:

- Able to read documents and computer screens
- Able to move around an office building and up stairs
- Able to sit/stand for long periods of time
- Able to type on a computer keyboard
- Able to communicate through a telephone
- Able to communicate with co-workers