

Job Title: Microwave Filter Design Engineer

Division: Filtronic Broadband Limited

Location: Yeadon, Leeds, UK

Opportunity:

Filtronic Broadband is seeking a Microwave Design Engineer to work on a wide range of filter products from conception through to production. You will be able to develop your own skills and experience designing these products as part of the Filtronic team.

Our filter range, for the defence & aerospace, industrial and commercial markets, includes the following technologies:

- Cavity;
- Waveguide;
- Ceramic;
- Thin Film;
- Lumped Element;
- Compline/interdigital;
- Suspended Stripline.

Purpose of Role:

Responsible for the design of filters operating from 20MHz and up to 110GHz, ensuring that electrical performance, quality, cost and manufacturability requirements are met.

Summary of Responsibilities:

- Full responsibility for all aspects of filter design, including simulation, prototyping and validation.
- Support Sales function during the quotation phases.
- The compilation and checking of design documentation including, BOMs, drawings and test specifications.
- Provide technical interface with customers, working closely with Sales to realise new business opportunities.
- Provide technical support to production, including the training of staff.
- Develop the filter design and simulation models to enhance Filtronic's capabilities.
- To meet departmental objectives.

Requirements:

- BSc or higher degree in Electrical Engineering (or equivalent).
- Relevant experience in filter design and product realisation.
- Experience using RF design tools, such as Microwave Office or ADS and 3D electromagnetic solvers such as CST, HFSS or EMpro.
- Hands on experience of tuning and measurements of filters using VNA, power amplifiers etc.
- Capable of achieving UK Security Check (SC) clearance.