

Waveguide Bandpass

Waveguide filters use iris-coupled resonant cavities to offer exceptionally high Q performance up to millimetric frequencies.

These provide the optimum solution for applications where Low Insertion Loss or high power handling are important, for example RADAR applications with power handling requirements in excess of 60 kW.

Exact Technology allows filters to be designed and manufactured using Iris construction which offers significant advantages for volume manufacture. Further reductions in costs are afforded by our principal's expertise and experience in –

- Casting
- CNC Machining
- Extruded Iris

We are able to deliver waveguide products in a variety of formats and finishes, and specially developed software allows us to offer “right first time” design of waveguide filters and diplexers, reducing development cost and time to market.

- Frequency Range: 1.0 to 100 GHz
- Bandwidth: 0.1% to 25%
- Stopband: up to 1.5 times F_c
- High Attenuation
- Low Insertion Loss

