



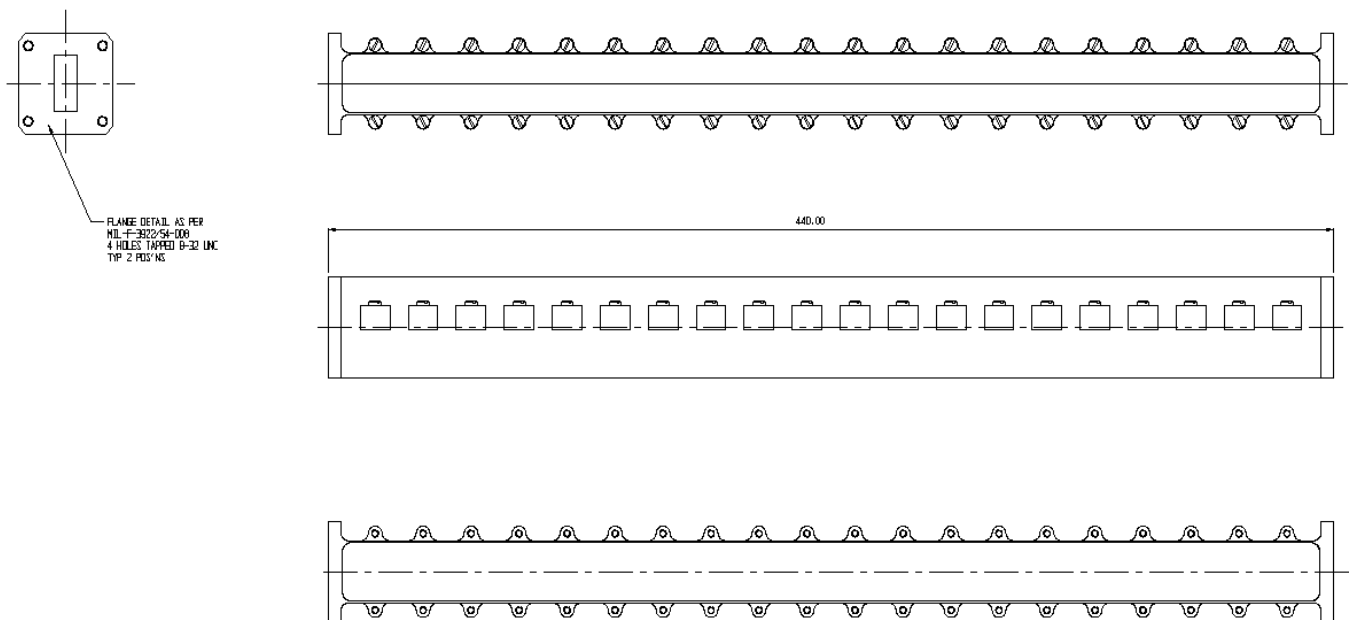
Micro Metalsmiths new design of low pass absorptive filter provides an extremely broad stop band allowing high rejection levels in the 2nd, 3rd & 4th harmonics.

It is constructed using dielectrically loaded secondary waveguides terminating in an absorptive material resulting in an absorptive stopband response. This gives the advantage over

the more usual reflective filter designs that the harmonic power is absorbed in the filter rather than being reflected back to the transmitter.

The power handling capabilities of these filters are also exceptional as the waveguide dimensions are maintained at the nominal waveguide sizes throughout the filter structure.

Typical Outline



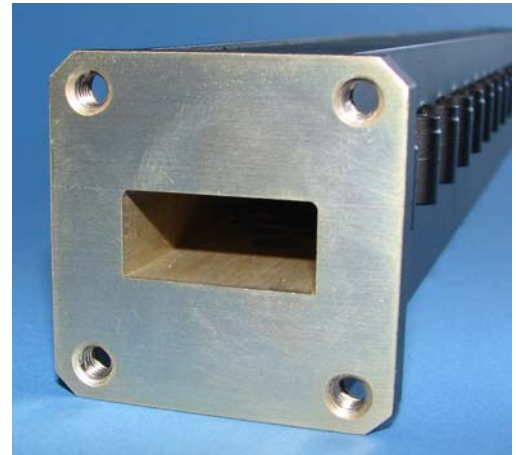
See page 2 for electrical specification and performance data.

Micro Metalsmiths Ltd can also design and manufacture reflective low pass waveguide filters and absorptive filters using other technologies such as discrete loads and reflective filters fitted with circulators. Contact the Sales Department on +44 (0) 1751 472866 or sales@micrometalsmiths.co.uk to discuss your exact requirements

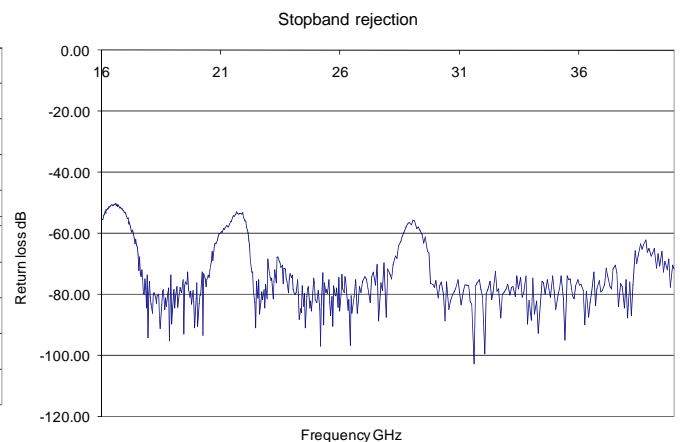
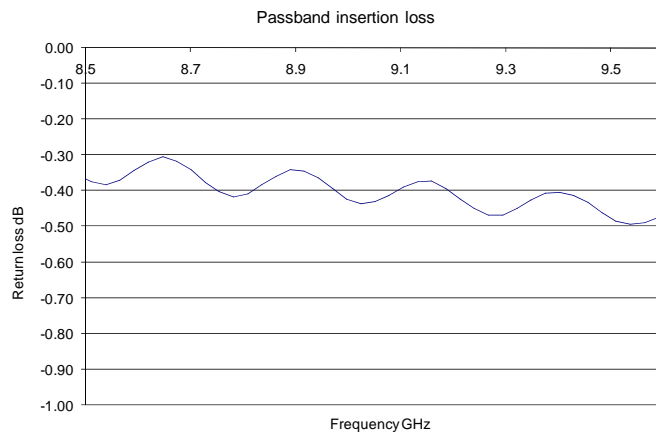
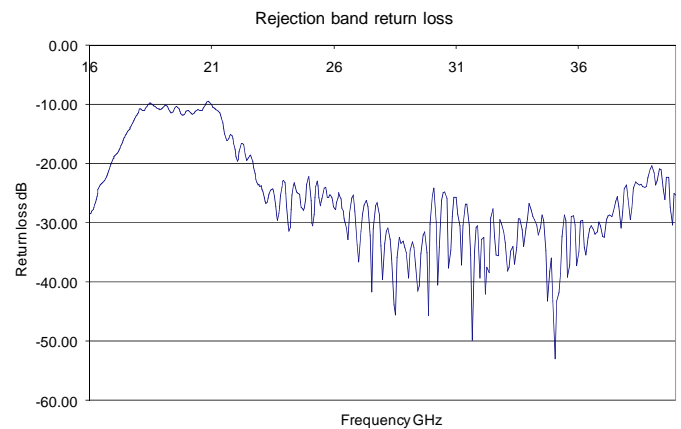
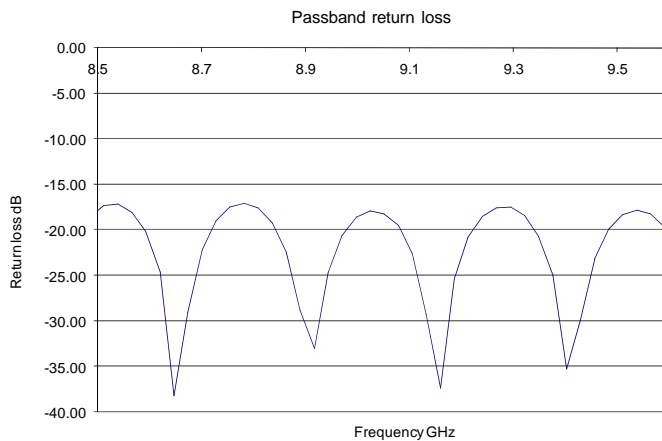


Typical Electrical Specification

Frequency Range:	8.5 - 9.6 GHz
Passband Return Loss	16.54 dB minimum
Passband Insertion Loss	0.5dB maximum
Stopband	16 - 40 GHz
Stopband Rejection	40 dB minimum
Stopband return loss	9.54 dB minimum
Power Handling	2.5 kW CW



Typical Electrical Performance



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