



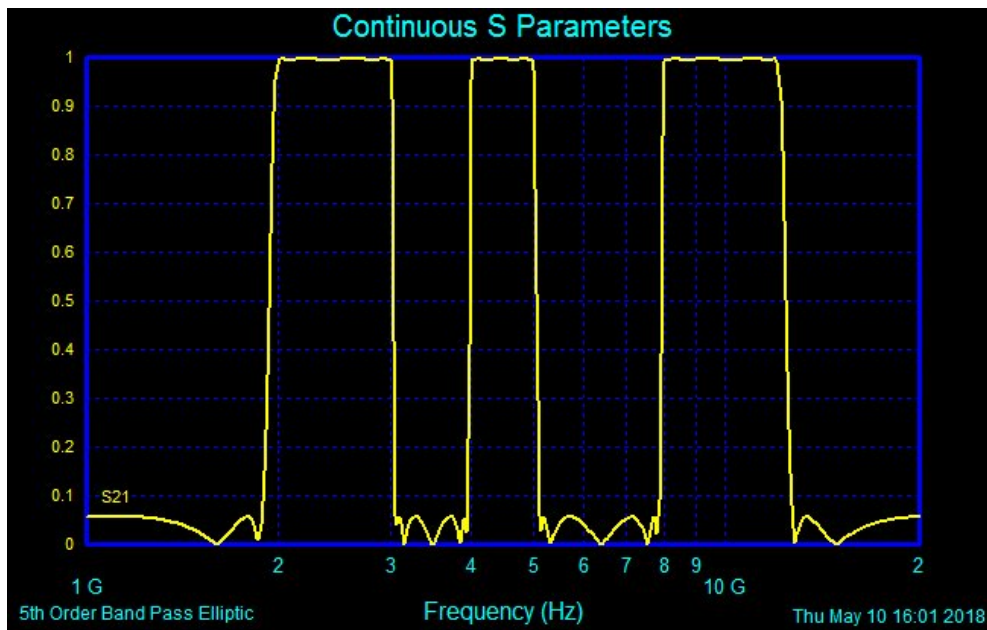
Multiple-Band™ Filter Topology Solutions in FilterSolutions® Design Software from Nuhertz Technologies

FilterSolutions includes a solution for the synthesis of “Multiple- Band™” filter networks. The term, as used by Nuhertz Technologies, describes the construction of a cascade of an arbitrary number of passbands and stopbands in a single lumped LC, active, or IIR digital filter. The Multiple-Band solution solves the design problem for “ n -band” filters wherein “ n ” is an arbitrary integer.

In network designs which require cascades of individual passive filters, the individual filters will interact, altering the desired network response. Such design problems are common in multiple passband, VDSL or other filter networks used in data communications. The Multiple-Band design solution synthesizes the geometric asymmetries in the various required passbands and stopbands.

In the application of the Multiple-Band feature of FilterSolutions, the user enters the corner frequencies for each desired passband or stopband into a dialog box containing a spreadsheet, which creates the filter cascade definition.

For further information, please visit: www.nuhertz.com.



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