

# Abstracts

## A 4-40 GHz Wide Bandwidth, Magnetically Tuned Bandpass Filter

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*D.L. Harris. "A 4-40 GHz Wide Bandwidth, Magnetically Tuned Bandpass Filter." 1990 MTT-S International Microwave Symposium Digest 90.3 (1990 Vol. III [MWSYM]): 1019-1022.*

In recent years, as microwave test equipment evolved, the need for a coaxial input/output bandpass filter that can tune from 4 to 40 GHz has become evident. This filter also needs a pass-band much wider than any of the previously available YIG filters. To meet these needs a special non-YIG ferrite filter was designed and built. This article discusses the key problems and solutions in the development of this new microwave filter.

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