

# Abstracts

## A narrow-band HTS bandpass filter at 18.5 MHz

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*K.D. Mossman, G.L. Matthaei and G.L. Hey-Shipton. "A narrow-band HTS bandpass filter at 18.5 MHz." 2000 MTT-S International Microwave Symposium Digest 00.2 (2000 Vol. II [MWSYM]): 653-656.*

A five-resonator narrow-band high-temperature superconducting (HTS) bandpass filter has been designed and fabricated for use at 18.5 MHz. Each quarter-wave resonator is a combination of thin film microstrip and commercial capacitors. The HTS microstrip is shorted to ground using gold foil. Centre-band insertion loss is 0.40 dB.

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