Abstracts

Passive Superconducting Microwave Circuits for 2-20 GHz Bandwidth Analog Signal Processing

J.T. Lynch, A.C. Anderson, R.S. Withers, P.V. Wright and S.A. Reible. "Passive Superconducting Microwave Circuits for 2-20 GHz Bandwidth Analog Signal Processing." 1982 MTT-S International Microwave Symposium Digest 82.1 (1982 [MWSYM]): 524-526.

A new technology for making analog signal-processing devices such as linear-FM chirp filters with time-bandwidth products up to 1000 is being developed using niobium stripline on sapphire. Preliminary results of delay lines, resonators, and a 25-ns, 2-GHz chirp filter will be presented.

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