# Abstracts

## Tunable superconducting band-stop filters

*S.S. Gevorgian, E.F. Carlsson, E.L. Kollberg and E. Wikborg. "Tunable superconducting band-stop filters." 1998 MTT-S International Microwave Symposium Digest 98.2 (1998 Vol. II [MWSYM]): 1027-1030.*

Electrically tunable notch filters based on bulk single crystal SrTiO/sub 3/ (STO) parallel-plate resonators with High Temperature Superconducting (HTS) electrodes are reported. The filters operate at temperatures below 90 K. The center frequency, located in the range 0.5-2.0 GHz, can be controlled with an applied voltage, in some cases more than 100%. Filters are designed for operation at high microwave power levels in advanced wireless communication systems.

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