

Abstracts

Superconducting Frequency Tunable SAW Filter and Dispersion Line

H.-P. Baum, B.K. Sarma and M. Levy. "Superconducting Frequency Tunable SAW Filter and Dispersion Line." 1989 MTT-S International Microwave Symposium Digest 89.2 (1989 Vol. II [MWSYM]): 639-641.

The superconducting transition of a thin film with a high sheet resistivity can change the attenuation of surface acoustic waves (SAW) by as much as 30 dB/cm at 700 MHz. This effect could be used to produce variable bandwidth SAW filters, RAC (Reflective Array Compressors) dispersion lines, and switches in SAW delay lines.

 [Return to main document.](#)