

One Hundred Channel Selectable Surface Wave Bandpass Filter

R.M. Hays, R.C. Rosenfeld and C.S. Hartmann. "One Hundred Channel Selectable Surface Wave Bandpass Filter." 1974 S-MTT International Microwave Symposium Digest of Technical Papers 74.1 (1974 [MWSYM]): 236-236.

Surface wave multichannel bandpass filters such as the selectable filters, filter trees, or filter banks provide a large number of bandpass filter channels with relatively few transducers. Among major systems applications are frequency-hopped receivers, spread-spectrum equipment, and multichannel multiplex systems. Synthesis of more than 100 bandpass responses of varying center frequency and varying bandwidth with nominally 20 transducers is detailed.

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