

Abstracts

A Synthesis Procedure for Unapodized Nondispersive Surface Wave Filters

W.R. Smith. "A Synthesis Procedure for Unapodized Nondispersive Surface Wave Filters." 1973 G-MTT International Microwave Symposium Digest of Technical Papers 73.1 (1973 [MWSYM]): 117-119.

A synthesis procedure is presented for nondispersive surface acoustic wave filters having unapodized transducers. The simplest filter design utilizes flat-passband transducers whose uniform acoustic beam is useful in acoustic correlators and reflective array pulse compressors (RAC). Another device is a spectral weighting (e.g. Hamming) filter which may be a separate unit or an integral part of a RAC.

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