

Abstracts

400-MHz Acoustic Surface-Wave Pulse Expansion and Compression Filter (Correspondence)

C.L. Grasse and D.A. Gandolfo. "400-MHz Acoustic Surface-Wave Pulse Expansion and Compression Filter (Correspondence)." 1971 *Transactions on Microwave Theory and Techniques* 19.6 (Jun. 1971 [T-MTT]): 558-559.

An acoustic surface-wave device capable of both the generation and compression of a linear FM waveform has been developed. The device has a synchronous frequency of 400 MHz, a dispersive bandwidth of 80 MHz, and achieved a pulse compression ratio of 25:1. The uncompressed pulselwidth is 0.5 μ s.

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