

Abstracts

The Surface Acoustic Wave Reflective Dot Array (RDA)

L.P. Solie. "The Surface Acoustic Wave Reflective Dot Array (RDA)." 1976 MTT-S International Microwave Symposium Digest of Technical Papers 76.1 (1976 [MWSYM]): 295-296.

A new type of reflective array device is described in which the array of reflecting grooves is replaced by an array of reflecting metallic dots. This Reflective Dot Array or RDA has the principal advantage of being part of-the same mask and metalization as the transducers allowing single step fabrication. A bandpass filter operating at 213 MHz with a bandwidth of 6 MHz, which was fabricated using this technique, has a passband to sidelobe ratio of over 50 dB.

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