

Abstracts

Slanted Reflective Array Correlator

B.R. Potter, C.S. Hartmann and W.R. Shreve. "Slanted Reflective Array Correlator." 1978 MTT-S International Microwave Symposium Digest 78.1 (1978 [MWSYM]): 453-455.

The first surface acoustic wave slanted reflective array correlator has been designed, constructed and tested. Slanted transducers are utilized for input and output and a slanted metal reflector array for large time-band-width (BT) products. The transducers each have a BT product of 40 and the entire device has a BT product of 1000. Slanted transducer finger placement is presented with some transducer test results. The design of the slanted reflector array is presented along with overall test results. Finally, areas of continued development are presented.

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