

# Abstracts

## Use of an SAW Multiplexer in FMCW Radar System

*L.P. Solie and M.D. Wohlers. "Use of an SAW Multiplexer in FMCW Radar System." 1981*

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This paper describes the application of a SAW multiplexer to develop range line resolution in FMCW millimeter-wave radar systems. The basic system design concept as well as test results are presented describing the function of the SAW multiplexer in developing the multiple-range cells in the millimeter-wave terminal guidance seeker. The SAW multiplexer has 16 channels and uses the offset multistrip coupler technique for sorting the acoustic beans into various acoustic tracks according to frequency.

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