

Abstracts

A low cost W-band multi-beam Doppler radar for automotive applications

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For automotive millimeter wave applications, SIMMWIC technology provides a low cost alternative to conventional GaAs MMICs. In this paper, we present a 76 GHz radar system adopting the classic principle of multi-beam Doppler navigation systems for automotive applications. Exclusively low cost SIMMWIC components have been employed in the millimeter wave front-end.

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