

# Abstracts

## Low Noise, 94 GHz Parametric Amplifier Development

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*H.C. Okean, J.R. Asmus and L.J. Steffek. "Low Noise, 94 GHz Parametric Amplifier Development." 1973 G-MTT International Microwave Symposium Digest of Technical Papers 73.1 (1973 [MWSYM]): 78-79.*

This paper describes the development of a 94 GHz non-degenerate parametric amplifier, the first of its kind. Included in this discussion is a description of the evolution of the state-of-the-art high-quality varactor, circulator and millimeter-wave circuit technology necessary for low noise 94 GHz paramp realization. Finally, a description of the physical embodiment of the overall 94 GHz paramp is presented along with relevant measured performance data.

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