

# Abstracts

## Millimeter Wave Multiplexer with Printed Circuit Elements for the 88 to 100 GHz Frequency Range

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*L.D. Cohen, N. Worontzoff, J. Levy and A. Harvey. "Millimeter Wave Multiplexer with Printed Circuit Elements for the 88 to 100 GHz Frequency Range." 1984 MTT-S International Microwave Symposium Digest 84.1 (1984 [MWSYM]): 233-235.*

An 88 to 100 GHz contiguous triplexer that uses printed circuit elements has been developed and demonstrates the practicality of millimeter wave multiplexer. The triplexer is composed of an E-plane, 7-pole, dual band-pass filter, a common junction diplexer and two H-plane quadrature hybrids. The filter and hybrid circuit elements are printed on metal cards. This multiplexer technology is extendible to 140 GHz.

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