

Abstracts

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

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.

 [Return to main document.](#)