

# Abstracts

## A Simple Quasi-Optical Mixer for 100-120 GHz

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*A.R. Kerr, P.H. Siegel and R.J. Mattauch. "A Simple Quasi-Optical Mixer for 100-120 GHz." 1977 MTT-S International Microwave Symposium Digest 77.1 (1977 [MWSYM]): 96-98.*

An open-structure quasi-optical mixer for 100-120 GHz is described. The mixer uses a GaAs diode coupled to a cavity-backed two-slot radiator. The design should be usable to sub-millimeter wavelengths with appropriate frequency scaling, and should be suitable for cryogenic operation.

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