

# Abstracts

## Circuit Level Modeling of Quasioptical Power Combining Open Cavities

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*P.L. Heron, G.P. Monahan, J.E. Byrd, M.B. Steer, F.W. Schwering and J.W. Mink. "Circuit Level Modeling of Quasioptical Power Combining Open Cavities." 1993 MTT-S International Microwave Symposium Digest 93.1 (1993 Vol. I [MWSYM]): 433-436.*

A multiport circuit level model is developed for an open-cavity, quasioptical power combiner. The model is developed using Hermite-Gaussian beam mode theory, the Lorentz reciprocity theorem and determination of diffraction losses.

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