

# Abstracts

## A 94 GHz Balanced Mixer using Suspended Substrate Technology

---

A.G. Cardiasmenos and P.T. Parrish. "A 94 GHz Balanced Mixer using Suspended Substrate Technology." 1979 MTT-S International Microwave Symposium Digest 79.1 (1979 [MWSYM]): 22-24.

A 94 GHz balanced mixer has been developed using suspended substrate technology and advanced GaAs Beam Lead Diodes. The mixer, using a waveguide hybrid and a novel waveguide to suspended stripline transition exhibits average conversion loss of 6.5dB and a 5.6dB DSB noise figure including the IF contribution.

[Return to main document.](#)