

Abstracts

50 GHz Sampler Hybrid Utilizing a Small Shockline and an Internal SRD

W.C. Whiteley, W.E. Kunz and W.J. Anklam. "50 GHz Sampler Hybrid Utilizing a Small Shockline and an Internal SRD." 1991 MTT-S International Microwave Symposium Digest 91.2 (1991 Vol. II [MWSYM]): 895-898.

A 50 GHz sampler whose performance is a result of the addition of a small GaAs nonlinear transmission line is described. The compact hybrid microcircuit also features a step recovery diode (SRD), a microstrip-to-slotline balun and a GaAs integrated sampling bridge to form a complete sampling subsystem.

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