

Abstracts

Ultra-Low-Noise 1.2- to 1.7-GHz Cooled GaAsFET Amplifiers

S. Weinreb, D.L. Fenstermacher and R.W. Harris. "Ultra-Low-Noise 1.2- to 1.7-GHz Cooled GaAsFET Amplifiers." 1982 Transactions on Microwave Theory and Techniques 30.6 (Jun. 1982 [T-MTT]): 849-853.

A 3-stage GaAsFET amplifier operating at 13 K, utilizing source inductance feedback is described. The amplifier has a noise temperature of <10 K, input return loss >15 dB over the 1.2- to 1.7-GHz frequency range.

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