

Abstracts

A New Configuration Providing Negative Resistance at a Higher Frequency than that of the Negative Resistance Device by Itself

A.I. Grayzel. "A New Configuration Providing Negative Resistance at a Higher Frequency than that of the Negative Resistance Device by Itself." 1978 MTT-S International Microwave Symposium Digest 78.1 (1978 [MWSYM]): 329-331.

It is shown that the combination of a negative resistance at frequency w and a varactor frequency multiplier/divider can produce a negative resistance at frequency $2w$. Experimental results are presented on an injection locked oscillator at $2W$ using this combination.

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