

# Abstracts

## An Analytical Comparison of Two Simple High-Q Gunn Oscillators (Short Papers)

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*I.D. Higgins and R. Davies. "An Analytical Comparison of Two Simple High-Q Gunn Oscillators (Short Papers)." 1977 Transactions on Microwave Theory and Techniques 25.5 (May 1977 [T-MTT]): 412-416.*

This note compares and analyzes two commonly used simple waveguide Gunn oscillators in terms of their loaded Q-factors. Suitable design criteria are established for both, and two oscillators which were tested conformed well to these. It is concluded that although the more mechanically complex oscillator, which is in common use, has a greater flexibility, the simpler oscillator is adequate for most applications.

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