

Abstracts

Measured Noise Temperature Versus Theoretical Electron Temperature for Gas Discharge Noise Sources (Comments)

R.E. Guentzler. "Measured Noise Temperature Versus Theoretical Electron Temperature for Gas Discharge Noise Sources (Comments)." 1974 Transactions on Microwave Theory and Techniques 22.4 (Apr. 1974 [T-MTT]): 469-470.

Previously published microwave noise temperatures from wall-contained argon discharges at 200 mA dc are compared with the electron temperatures predicted by von Engel and Steenbeck. A good agreement between data and theory results if the ionization efficiency is modified to account for stepwise ionization.

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