Abstracts

Nonreciprocal Properties of Vacuum-Deposited InSb Films at 87 GHz (Short Papers)

R.J. Dinger, T.M. Waugh and D.J. White. "Nonreciprocal Properties of Vacuum-Deposited InSb Films at 87 GHz (Short Papers)." 1974 Transactions on Microwave Theory and Techniques 22.10 (Oct. 1974 [T-MTT]): 879-880.

Room-temperature measurements were taken at 87 GHz on isolators fabricated by using thin vacuum-deposited hot-wire-recrystallized InSb films in both the Faraday-rotation mode and the field-displacement mode. In the Faraday-rotation mode, an insertion loss of 9 dB, a nonreciprocity of 10 dB, and an isolation of 19 dB were obtained in an external magnetic field of 8 kOe.

❑ Return to main document.