

Abstracts

A X-Band Resonant Ring and Gas Breakdown Experiments

R. Perez and D. Hoppe. "A X-Band Resonant Ring and Gas Breakdown Experiments." 1992 MTT-S International Microwave Symposium Digest 92.2 (1992 Vol. II [MWSYM]): 1003-1005.

An electroformed X-band resonant ring has been constructed to conduct breakdown experiments with dielectric gases. This paper introduces the design and techniques employed in the fabrication of the resonant ring, and presents gas breakdown results obtained to date using nitrogen and sulphur hexafluoride.

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