

Abstracts

Microwave Applications of Thin Magnetic Resistive Sheets

K. Suetake, Y. Shimizu, Y. Kotsuka, K. Ishino and Y. Hashimoto. "Microwave Applications of Thin Magnetic Resistive Sheets." 1977 MTT-S International Microwave Symposium Digest 77.1 (1977 [MWSYM]): 532-536.

A magnetic resistive sheet -- a ferrite tile backed with a metal foil or plate -- is recognized as a new type lossy device in the microwave field. Its new applications -- absorbing wall, matched loads, attenuators and line filter -- are introduced in this paper, especially very thin microwave absorbers (1.7mm in thickness, with V.S.W.R. ≤ 1.2 , in 8.6 - 10.2 GHz) and a novel variable coaxial attenuator are presented.

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