

A NEW EDGE MODE ISOLATOR IN THE VHF RANGE

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Abstract

Hines has shown opportunity of using "dynamic surface modes" to realize non reciprocal devices in microwave range. At low frequencies the lowfield losses of the ferrite limit the working of these devices. The authors show that the "magnetostatic surface mode" allows the realization of non reciprocal devices working at frequencies lower than that of ferrite resonance. An isolator in the range 200 to 425 Mc/s is presented.