

Millimetric Non-Reciprocal Coupled-Slot Fin-Line Components

L.E. Davis and D.B. Sillars. "Millimetric Non-Reciprocal Coupled-Slot Fin-Line Components." 1985 MTT-S International Microwave Symposium Digest 85.1 (1985 [MWSYM]): 237-239.

Promising preliminary results are presented for an isolator and a 4-port circulator in novel fin-line structures in the frequency range 26.5 - 40.0 GHz. The basic configuration is a ferrite-loaded coupled-slot fin-line with the ferrite magnetised parallel with the direction of propagation. It is suggested that such structures would also be suitable for higher frequencies.

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