

Abstracts

4-Port Crossed-Junction Waveguide Circulators

L.E. Davis, M.D. Coleman and J.J. Cotter. "4-Port Crossed-Junction Waveguide Circulators." 1963 PTGMTT National Symposium Program and Digest 63.1 (1963 [MWSYM]): 171-176.

Circulator action can be obtained with a symmetrical 4-port H-plane waveguide junction containing a central composite post of ferrite and a conducting material, e.g. brass, and this paper gives some details of the experimental investigation which has led to completed devices in three frequency ranges, 3 Gc/s, 9 Gc/s and 20 Gc/s.

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