

Abstracts

First circulation condition of E-plane circulator using single-prism resonator

M. Caplin, W. D'Orazio and J. Helszajn. "First circulation condition of E-plane circulator using single-prism resonator." 1999 Microwave and Guided Wave Letters 9.3 (Mar. 1999 [MGWL]): 99-101.

The operation of E- or H-plane circulators rest on the use of either a single or a pair of re-entrant turnstile resonators. The purpose of this work is to give the mode chart of an E-plane arrangement using a single-prism resonator in WR75. The susceptance slope parameter of the device is separately summarized. The paper therefore provides a complete statement of the first circulation condition of this type of circulator.

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