

Abstracts

VHF- and UHF-Band Stacked-Junction Circulators

S. Okamura and T. Nagai. "VHF- and UHF-Band Stacked-Junction Circulators." 1969 G-MTT International Microwave Symposium Digest of Technical Papers 69.1 (1969 [MWSYM]): 83-87.

A new type of junction circulators, in which two ordinary ferrite-loaded junctions are stacked and assembled in a common housing, is presented. The input power is divided into two junctions and the C W power rating doubled. The stacked circulator increases the freedom to choose the ferrite size, which must be optimized for a specific power level in each application because it affects closely the cost of the assembled circulator, and this design was proved to be very effective in improving the cost/power performance.

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