

Abstracts

Inherently matched Y-junction stripline circulator

S.A. Ivanov. "Inherently matched Y-junction stripline circulator." 1997 *Transactions on Microwave Theory and Techniques* 45.5 (May 1997, Part I [T-MTT]): 648-652.

An operation principle based on the field-effect displacement phenomenon of the perpendicularly magnetized ferrite striplines constituting the Y-junction circulator is proposed. The experimental results are in agreement with the idea that the striplines of the junction act as half-wavelength transformers ensuring 5%-8% bandwidth of the investigated circulators in the S-band without external matching.

 [Return to main document.](#)