

Abstracts

Design of Six-Port Stripline Ferrite Junction Circulators (Short Papers)

H. How, T.-M. Fang, C. Vittoria and R. Schmidt. "Design of Six-Port Stripline Ferrite Junction Circulators (Short Papers)." 1994 Transactions on Microwave Theory and Techniques 42.7 (Jul. 1994, Part I [T-MTT]): 1272-1275.

Circulation conditions for a six-port stripline ferrite junction circulator have been formulated. For external magnetic field biased above FMR it results in wider transmission frequency bandwidth compared to normal three-port devices. We surmize that six-port circulators can also be used as high power devices similar to the three-port counterpart.

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