

Abstracts

The Extent of the Similarity between Below Resonance and Above Resonance Operation of Standard Circulator Junctions

G.P. Riblet. "The Extent of the Similarity between Below Resonance and Above Resonance Operation of Standard Circulator Junctions." 1978 MTT-S International Microwave Symposium Digest 78.1 (1978 [MWSYM]): 323-325.

Starting from standard expressions for the tensor permiability components κ and μ , it can readily be shown that every circulator junction with $p = 4\pi M/\sub{S}/\gamma/\omega < 1$ has two low frequency modes of operation ($kR / \sqrt{\epsilon} \approx 1.84$) corresponding to below resonance and above resonance operation. In this contribution the extent of the similarity between those modes of operation is explored.

[Return to main document.](#)