Abstracts

On Stripline Y-Circulation at UHF

The simplified boundary-value problem of the circular strip-line Y-circulator is stated and, following experimental results, is solved approximately. The circulation parameters are calculated and discussed. The frequency characteristics are evaluated and a general method for broadbanding the device is presented. From the calculated and measured field distribution, an explanatory description of the circulation mechanism is given. Finally, other possible solutions and the features for use at UHF are discussed.

❏ Return to main document.