

Abstracts

The Calculation of TEM-, TE- and TM-Waves in Shielded Strip Transmission Lines

W. Baier. "The Calculation of TEM-, TE- and TM-Waves in Shielded Strip Transmission Lines." 1968 G-MTT International Microwave Symposium Digest and Technical Program 68.1 (1968 [MWSYM]): 21-31.

For the systematic development of new TEM-microwave components the accurate calculation of the TEM-wave characteristic impedance is necessary. Besides the characteristic impedance the properties of TE- and TM-modes in new configurations are important. By TE- or TM-modes in a device designed for TEM-waves the function of this device is gravely disturbed. As the probability of TE- or TM-modes growths with frequency increasing this question is important especially at microwave frequencies.

[Return to main document.](#)