

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

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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 grows with frequency increasing this question is important especially at microwave frequencies.

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