

Abstracts

Solution of the Fourier Heat Flow Equation in Waveguides Filled with Lossy Dielectrics (Correspondence)

*W.J. Gallagher. "Solution of the Fourier Heat Flow Equation in Waveguides Filled with Lossy Dielectrics (Correspondence)." 1963 *Transactions on Microwave Theory and Techniques* 11.6 (Nov. 1963 [T-MTT]): 552-553.*

The temperature distribution within a waveguide filled with a lossy dielectric, and propagating a specified mode, may be conveniently obtained by the Green's function method. Such a solution is useful for describing the temperature distribution in vacuum windows, for example.

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