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This book presents the interdisciplinary field of solid electrodynamics and its applications in superconductor and microwave technologies. It gives scientists and engineers the foundation necessary to deal with theoretical and applied electromagnetics, continuum mechanics, applied...

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The authors of this book present a thorough discussion of the optical properties of solids, with a focus on electron states and their response to electrodynamic fields. A review of the fundamental aspects of the propagation of electromagnetic fields, and their interaction with condensed matter, is given.

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The microwave electromagnetic and absorption properties of ...

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TextBook Electrodynamics Of Solids And Microwave ...

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Electromagnetic radiation - Microwaves | Britannica

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Chemical Reaction under Highly Precise Microwave ...

The residual defects and groups in chemically reduced graphene oxide cannot only improve the impedance match characteristic and prompt energy transition from contiguous states to Fermi level, but also introduce defect polarization relaxation and groups' electronic dipole relaxation, which are all in favor of electromagnetic wave penetration and absorption.