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Ferroelectrics in Microwave Devices, Circuits and Systems is an introduction to the field. It explores the emergence of new functionalities and components with enhanced performance that can meet the agility and cost requirements of modern microwave-based systems.

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Ferroelectrics in Microwave Devices, Circuits and Systems

size of ferroelectric parts and devices. Ferroelectrics in Microwave units, Circuits and Systems is an invaluable examine software for either graduate and undergraduate scholars, in addition to designers of microwave units, circuits, and systems.

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suitability of BSTO devices for microwave appli-function for a dielectric response of the incipient cations. The data in Table I are based on the BSTO ferroelectrics.

Ferroelectric Tuning of Planar and Bulk Microwave Devices

Ferroelectrics are interesting materials for the design of new microwave devices. The potential of ferroelectrics and other high-permittivity (high- k) dielectrics for such high-frequency devices is due to the field-dependent permittivity of these materials, which can be of application to frequency agile devices whose operation frequency can be tuned by a control signal.

Tunable ferroelectrics for frequency agile microwave and

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TUNABLE MICROWAVE DEVICES BASED ON BULK AND THIN FILM

Ferroelectric Tuning of Planar and Bulk Microwave Devices O. G. Vendik, 1E. K. Hollmann, A. B. Kozyrev, ... was done to measure the microwave loss in incipient ferroelectrics under applied dc voltage. The ... Ferroelectric Tuning of Planar and Bulk Microwave Devices ...

Ferroelectric Tuning of Planar and Bulk Microwave Devices

Vector network analyser (VNA) is a valuable tool for providing fast and accurate characterisation of microwave components and devices for other circuits working at high frequencies. This book together with associated software serves as an introduction to microwave network analysis, microwave components and devices, and microwave circuit design.

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