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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Theory of Piezoelectricity -- Thickness Modes in Plates : Elastic Analysis -- Thickness Modes in Plates : Piezoelectric Analysis -- Shear-horizontal Waves in Unbounded Plates -- Shear-horizontal Vibrations of Finite Plates -- Waves Propagating along Digonal Axis -- Vibration of Rectangular Plates -- Scalar Equation for Thickness Modes -- Appendix 1: Notation -- Appendix 2: Material Constants.
Sommario/riassunto	The first contemporary text specializing on the dynamic problems of piezoelectric crystal plates for resonant acoustic wave devices (such as resonators, filters, and sensors) since H F Tiersten's publication in 1969. This book provides an up-to-date, systematic and comprehensive presentation of theoretical results on waves and vibrations in quartz crystal plates. It expounds on the application of the theories of elasticity and piezoelectricity in acoustic wave devices made from crystal plates through a coverage spanning from classical results on acoustic wave resonators, up to present-day appl