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Nota di contenuto	Microstrip Lines and Slotlines Third Editon; Contents; Preface to the Third Edition; Chapter 1 Microstrip Lines I: Quasi-Static Analyses, Dispersion Models, and Measurements; 1.1 Introduction; 1.1.1 Planar Transmission Structures; 1.1.2 Microstrip Field Configuration; 1.1.3 Methods of Microstrip Analysis; 1.2 Quasi-Static Analyses of a Microstrip; 1.2.1 Modified Conformal Transformation Method; 1.2.2 Finite Difference Method; 1.2.3 Integral Equation Method; 1.2.4 Variational Method in the Fourier Transform Domain; 1.2.5 Segmentation and Boundary Element Method (SBEM). 1.3 Microstrip Dispersion Models1.3.1 Coupled TEM Mode and TM Mode Model; 1.3.2 An Empirical Relation [35]; 1.3.3 Dielectric-Loaded Ridged Waveguide Model [36]; 1.3.4 Empirical Formulae for Broad Frequency Range; 1.3.5 Planar Waveguide Model; 1.3.6 Some Comments; 1.4 Microstrip Transitions; 1.4.1 Coaxial-to-Microstrip Transition; 1.4.2 Waveguide-to-Microstrip Transition; 48.
Sommario/riassunto	Since the second edition of this book was published in 1996, planar transmission line technology has progressed considerably due to developments in ultrawideband (UWB) communications, imaging, and RFID applications. In addition, the simultaneous demands for compactness of wireless electronic devices while meeting improved

performance requirements, necessitates increased use of computer-aided design, simulation, and analysis by microwave engineers. This book is written to help engineers successfully meet these challenges. Details include the development of governing equations, basis functions,
