

1. Record Nr.	UNINA9910820080903321
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Titolo	Microwave circulator design // Douglas K. Linkhart
Pubbl/distr/stampa	Norwood, Massachusetts : , : Artech House, , [2014] [Piscataway, New Jersey] : , : IEEE Xplore, , [2014]
ISBN	1-60807-584-2
Edizione	[Second edition.]
Descrizione fisica	1 online resource (386 p.)
Collana	Artech House microwave library
Disciplina	621.381/331
Soggetti	Circulators, Wave-guide - Design and construction
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Microwave Circulator DesignSecond Edition; Contents; Preface; Acknowledgments; 1 Theory of Operation; 1.1 Units, Conversions, and Symbols; 1.2 The Physical Basis of Ferrimagnetism; 1.3 Ferrimagnetic Resonance; 1.4 Microwave Propagation in Ferrites; 1.5 Other Technologies; 1.5.1 Semiconductor Circulators; 1.5.2 Nanotechnology Circulators; 1.5.3 Thin Ferrite Films; 1.5.4 Active Circulators; References; 2 Circulator Specification; 2.1 The Parameters; 2.2 Reflections and Segmentation; 2.3 Junction Circulators; 2.3.1 Single-Ferrite (Non- Composite) Junction Circulators. 2.3.2 Composite- Ferrite Junction Circulators2.4 Lumped- Constant Circulators; 2.5 Differential Phase Shift Circulators; 2.6 Switching Circulators; 2.7 Okada Circulators; 2.8 Field- Displacement Isolators; 2.9 Resonance Isolators; References; 3 Applications of Circulators; 3.1 Load Isolation; 3.2 Duplexing; 3.3 Multiplexing; 3.4 Parametric Amplifiers; 3.5.
Sommario/riassunto	"Circulator design has advanced significantly since the first edition of this book was published 25 years ago. The objective of this second edition is to present theory, information, and design procedures that will enable microwave engineers and technicians to design and build circulators successfully. This resource contains a discussion of the various units used in the circulator design computations, as well as covers the theory of operation. This book presents numerous applications, giving microwave engineers new ideas about how to solve

problems using circulators. Design examples are provided, which demonstrate how to apply the information to real-world design tasks."

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