

1. Record Nr.	UNINA9910140509903321
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Titolo	Sneak circuits of power electronic converters // Bo Zhang, Dongyuan Qiu
Pubbl/distr/stampa	Hoboken : , : John Wiley & Sons Inc., , 2015
ISBN	1-118-37995-0 1-118-37996-9
Edizione	[First edition.]
Descrizione fisica	1 online resource (304 p.)
Disciplina	621.31/3
Soggetti	Electric current converters
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 and index.
Nota di contenuto	Cover; Title Page; Copyright; Contents; About the Authors; Preface; Acknowledgments; Chapter 1 Sneak Circuit and Power Electronic Systems; 1.1 Reliability of Power Electronic Systems; 1.2 Sneak Circuit; 1.2.1 Definition of Sneak Circuit; 1.2.2 Examples of Sneak Circuits; 1.2.3 Basic Causes of Sneak Circuit; 1.3 Sneak Circuit Analysis; 1.3.1 Definition of Sneak Circuit Analysis; 1.3.2 History of Sneak Circuit Analysis; 1.3.3 Methods of Sneak Circuit Analysis; 1.3.4 Benefits of Sneak Circuit Analysis; 1.3.5 Relationship between Sneak Circuit Analysis and other Safety Techniques 1.4 Power Electronic System and Sneak Circuit Analysis 1.5 Arrangement of this Book; References; Part I Sneak Circuit Phenomena; Chapter 2 Sneak Circuits of Resonant Switched Capacitor Converters; 2.1 Introduction; 2.2 Sneak Circuits of Basic RSC Converter; 2.2.1 Sneak Circuits of Basic Step-Down RSC Converter; 2.2.2 Sneak Circuits of Basic Step-Up RSC Converter; 2.2.3 Sneak Circuits of Basic Inverting RSC Converter; 2.2.4 Sneak Circuit Performance of Basic RSC Converters; 2.3 Sneak Circuits of High-Order RSC Converter; 2.3.1 Sneak Circuits of High-Order Step-Down RSC Converter 2.3.2 Sneak Circuits of High-Order Step-Up RSC Converter 2.4 Summary; References; Chapter 3 Sneak Circuits of DC-DC Converters; 3.1 Introduction; 3.2 Buck Converter; 3.2.1 CCM of Buck Converter; 3.2.2 DCM of Buck Converter; 3.2.3 Operating Conditions of Buck Converter; 3.3 Boost Converter; 3.3.1 CCM of Boost Converter; 3.3.2

DCM of Boost Converter; 3.3.3 Operating Conditions of Boost Converter; 3.4 Buck-Boost Converter; 3.4.1 CCM of Buck-Boost Converter; 3.4.2 DCM of Buck-Boost Converter; 3.4.3 Operating Conditions of Buck-Boost Converter  
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3.6 Cuk Converter; 3.6.1 Normal Operating Mode of Cuk Converter; 3.6.2 Sneak Circuit Phenomena of Cuk Converter; 3.6.3 Experimental Verification of Cuk Converter; 3.7 Sepic Converter; 3.7.1 Normal Operating Mode of Sepic Converter; 3.7.2 Sneak Circuit Phenomena of Sepic Converter; 3.7.3 Experimental Verification of Sepic Converter; 3.8 Zeta Converter; 3.8.1 Normal Operating Mode of Zeta Converter; 3.8.2 Sneak Circuit Phenomena of Zeta Converter; 3.8.3 Experimental Verification of Zeta Converter  
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4.3.1 Normal Operating Mode of Buck ZVS MR Converter

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Sommario/riassunto

The first treatment of advanced knowledge of electrical sneak circuits and its analysis method in power electronics The work on sneak circuit and its analysis methods for power converters contributes to the reliability of power electronic systems worldwide. Most books in the subject concentrate on electronic systems, but this book is perhaps the first to examine power electronic systems. It describes the sneak circuit phenomena in power converters, introduces some SCA methods for power electronic systems and proposes how to eliminate and make use of sneak circuits. The book is divided

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