1. Record Nr. UNINA9910824575203321

Autore	Whitaker Jerry C
Titolo	Power vacuum tubes handbook / / Jerry C. Whitaker
Pubbl/distr/stampa	Boca Raton, : Taylor & Francis, 2012
ISBN	1-315-21738-4 1-280-12221-8 9786613526076 1-4398-5065-8
Edizione	[3rd ed.]
Descrizione fisica	1 online resource (693 p.)
Collana	Electronics handbook series
Classificazione	TEC008000TEC024000
Disciplina	621.3815/12
Soggetti	Vacuum-tubes Power electronics
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.
Nota di contenuto	Front Cover; Contents; Preface; Acknowledgment; Author; Chapter 1: Power Vacuum Tube Applications; Chapter 2: Modulation Systems and Characteristics; Chapter 3: Vacuum Tube Principles; Chapter 4: Designing Vacuum Tube Systems; Chapter 5: Applying Vacuum Tube Devices; Chapter 6: Microwave Power Tubes; Chapter 7: RF Interconnection and Switching; Chapter 8: Properties of Materials; Chapter 9: Cooling Considerations; Chapter 10: Reliability Considerations; Chapter 11: Device Performance Criteria; Chapter 12: RF System Maintenance and Troubleshooting Chapter 13: Safe Handling of Vacuum Tube DevicesBack Cover
Sommario/riassunto	"This handbook examines the underlying technologies of each type of power vacuum tube device commonly in use today. It offers a comprehensive look at the important area of high-frequency/high-power applications of microwave power devices, making it possible for general principles to be translated to specific applications. Supporting mathematics and extensive technical illustrations and schematic diagrams are included to clarify the material presented. This new edition will provide the reader with important updates on new vacuum tube technology, devices, applications, design methods, and modulation methods.What's New in the Second Edition?Reviews the

latest in new vacuum tube technology - new devices and refinements of existing devices that extend power and frequency capabilities identifies new applications for commercial and scientific research examines new frontiers on materials science - directly impacting construction, reliability, and performance outlines new methods of power tube design - yielding more efficient, lasting tubes describes new modulation methods affecting power tube design and application, including digital technologies"--