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Autore	Jha A. R
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ISBN	1-280-64259-9 9786610642595 0-08-045797-5
Descrizione fisica	1 online resource (xxi, 267 p.) : ill
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Soggetti	Low temperature engineering Chemistry, Technical Electronic books.
Lingua di pubblicazione	Inglese
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Note generali	"Butterworth-Heinemann is an imprint of Elsevier."
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Machine derived contents note: Table Of Contents For Cryogenic Technology Book -- CHAPTER ONE: Technology advancements and chronological development history of cryogenic technology. -- 1.0 Introduction -- Chapter Two: Effects Of Heat Flow On Heat Exchanger Performance And Cooler Efficiency -- 2.0 Introduction -- CHAPTER THREE: Thermodynamic aspects and heat transfer capabilities of heat exchangers for high-capacity coolers -- 3.0 Introduction -- 4.0 Summary -- Chapter Four: Critical Design Aspects And Performance Capabilities Of Cryocoolers And Microcoolers With Low Cooling Capacities -- 4.0 Introduction -- Chapter Five: Performance Requirements For Moderate-And High-Capacity Refrigeration Systems -- 5.0 Introduction -- CHAPTER SIX: Cryocoolers and microcoolers requirements best suited for scientific research, military, and space applications -- 6.0 Introduction -- 7.0 Introduction -- Chapter Eight: Requirements For Cryogenic Materials And Accessories Needed For Various Cryogenic Coolers -- 8.0 Introduction.
Sommario/riassunto	Cryogenic Technology and Applications describes the need for smaller cryo-coolers as a result of the advances in the miniaturization of electrical and optical devices and the need for cooling and conducting

efficiency. Cryogenic technology deals with materials at low temperatures and the physics of their behavior at these temps. The book demonstrates the ongoing new applications being discovered for cryo-cooled electrical and optical sensors and devices, with particular emphasis on high-end commercial applications in medical and scientific fields as well as in ...