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ISBN	1-58053-567-4
Descrizione fisica	1 online resource (324 p.)
Collana	Artech House signal processing library
Disciplina	621.382/2
Soggetti	Signal processing Detectors Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Introduction--Fundamentals of Receivers -- A Brief History of Sensing Systems, Their Influence on Signal Processing Development and Applications, and Receiver Fundamentals -- Review of Probability -- Bernoulli Trials--The Binomial Distribution -- The Poisson Distribution -- The Exponential Distribution -- The Gaussian Distribution -- The Rayleigh and Rice Distributions -- Joint Distributions, Conditional Distributions, and Bayes' Theorem -- Characteristic Functions --
Sommario/riassunto	This cutting-edge book is a clear and thorough exposition of signal-processing fundamentals for communications and major sensing systems. Based on the author's earlier book in this area, this revised and expanded resource offers you expert guidance in the detection of optical, acoustic and radio-frequency signals in noise. It covers digital filtering and parameter estimation, and helps you with problems associated with radar system design, including search, tracking and measurement ambiguity.