

1. Record Nr.	UNINA9910778299303321
Titolo	RF Bulk acoustic wave filters for communications / / Ken-ya Hashimoto, editor
Pubbl/distr/stampa	Norwood, Massachusetts : , : Artech House, , ©2009 [Piscataway, New Jersey] : , : IEEE Xplore, , [2009]
ISBN	1-59693-322-4
Descrizione fisica	1 online resource (292 p.)
Collana	Artech House microwave library
Altri autori (Persone)	HashimotoKen-ya
Disciplina	621.3828 628.3828
Soggetti	Acoustic bulk wave devices Telecommunication - Equipment and supplies
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	Background and history -- Resonator and filter topologies -- BAW device basics -- Design and fabrication of BAW devices -- FBAR resonators and filters -- Comparison with SAW devices -- Thin films deposition for BAW devices -- Characterization of BAW devices -- Monolithic integration -- System-in-package integration.
Sommario/riassunto	This timely book presents a thorough overview of RF BAW filters, covering a vast range of technologies, optimal device design, filter topologies, packaging, fabrication processes, and high quality piezoelectric thin films. Moreover, the book discusses the integration of BAW filters in RF systems.