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Descrizione fisica	1 online resource (xiii, 687 pages) : digital, PDF file(s)
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Silicon LDMOS and VDMOS transistors : physics, design, and technology / Wayne Burger and Christopher P. Dragon -- GaAs FETs : physics, design, and models / Rob Davis -- Wide band gap transistors -- SiC and GaN : physics, design and models / Robert J. Trew -- Amplifier classes, A-S / Steve C. Cripps -- Computer-aided design of power amplifiers / Steven Maas -- Practical HF/VHF/UHF RF power amplifier realization / Daniel P. Myer -- Microwave hybrid amplifier realization / Dominic FitzPatrick -- Monolithic power amplifiers / Inder J. Bahl -- RF power amplifier thermal design / Mali Mahalingam -- Reliability / Bill Roesch -- Power amplifier applications / Mustafa Akkul and Wolfgang Bosch -- Amplifier measurements / Michael G. Hiebel.
Sommario/riassunto	Whether you are an RF transistor designer, an amplifier designer or a

system designer, this is your one-stop guide to RF and microwave transistor power amplifiers. A team of expert authors brings you up to speed on every topic, including: devices (Si LDMOS and VDMOS, GaAs FETs, GaN HEMTs), circuit and amplifier design (discrete, hybrid and monolithic), CAD, thermal design, reliability, and system applications/requirements for RF and microwave transistor amplifiers. Covering state-of-the-art developments and emphasising practical communications applications, this is the complete professional reference on the subject.