

New Book Received *

Handbook of RF, Microwave, and Millimeter-Wave Components. Edited by Leonid A. Belov, Sergey M. Smolskiy and Victor N. Kochemasov, Artech House, 2012; 504 pages. Price: £119.00, ISBN 978-1-60807-209-5

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This unique and comprehensive resource offers you a detailed treatment of the operations principles, key parameters, and specific characteristics of active and passive RF, microwave, and millimeter-wave components. The book covers both linear and nonlinear components that are used in a wide range of application areas, from communications and information sciences, to avionics, space, and military engineering.

This practical book presents descriptions and clear examples of the best materials and products used in the field, including laminates, prepregs, substrates; microstrip, coaxial and waveguide transmission lines; fixed and rotating connectors; matching and adjusting elements; frequency filters; phase shifters; and ferrite gates and circulators. Moreover, the book offers you in-depth discussions on microwave switches and matrices, including MEMS technology, solid state and vacuum amplifiers, mixers, modulators and demodulators, and oscillation sources. You also find coverage of the stable frequency synthesizer structure and sources of modulated or noisy signals. Greatly adding to the usefulness of this volume is the inclusion of more than 700 Internet addresses of manufacturers from across the globe.

Table of Contents

Preface xi

Chapter 1 Devices for Signal Generation and Processing 1

- 1.1 General Information About Signals 1
- 1.2 Architecture of Devices for Generation and Processing of Signals 6
 - 1.2.1 Reference Oscillations 6
 - 1.2.2 Signals with Phase Modulation and Shift Keying 10
 - 1.2.3 QAM Signals 16
 - 1.2.4 Signals with Frequency Modulation and Shift Keying 18
 - 1.2.5 Multifrequency Signals 24
- 1.3 Requirements to Devices and Components 27
- 1.4 Product Certification and Quality Standards 30
- 1.5 Foundry Service 36
- Questions 38
- References 38

Chapter 2 Transmission Line Components 41

- 2.1 Fundamentals 41
- 2.2 Classification and Parameters 47
- 2.3 RF Coaxial Cables 51
- 2.4 Coaxial Connectors 55
- 2.5 Cable Assemblies 65
- 2.6 Waveguides and Flanges 66
- 2.7 Coaxial and Waveguide Components 68
- 2.8 Rotary Joints 73
- Questions 75
- References 75

Chapter 3 Passive Components 77

- 3.1 Substrates and Laminates 78
- 3.2 Resistors and Fixed Attenuators 84
- 3.3 Inductors, Chokes, and Transformers 90
- 3.4 Capacitors 96
- 3.5 EMI and RFI Filters 102
- 3.6 Power Dividers/Combiners, Splitters 107
- 3.7 Couplers 113
- 3.8 Beamformer Networks 118
- 3.9 Gain Equalizers 121
- 3.10 Circulators and Isolators 124
- Questions 129
- References 130

Chapter 4 Fixed Frequency Filters 131

- 4.1 Fundamentals 131
- 4.2 Lumped LC-Element Filters 137
- 4.3 Cavity Filters 142
- 4.4 Ceramic Resonator Filters 143
- 4.5 Microstrip and Stripline Filters 146
- 4.6 Tubular Filters 147
- 4.7 Waveguide Filters 147
- 4.8 Yttrium-Iron Garnet (YIG) Filters 150
- 4.9 Thin- and Thick-Film Filters 154
- 4.10 Monolithic Crystal Filters 155
- 4.11 SAW and BAW Filters 157
- 4.12 MEMS Filters 160
- 4.13 Harmonic Filters 161
- 4.14 Frequency Multiplexers and Duplexers 164
- 4.15 Fixed Frequency Filter Assemblies 170
- Questions 171
- References 171

Chapter 5 Control Components: Attenuators, Phase Shifters, Time Delay Lines, and Controlled Frequency Filters 173

- 5.1 Fundamentals 173
- 5.2 Classification and Parameters 181
- 5.3 Variable Attenuators 184
 - 5.3.1 Manually Controlled Attenuators 184
 - 5.3.2 Electrically Variable Attenuators 185
 - 5.3.3 Digitally Controlled Attenuators 190
 - 5.3.4 Programmable Attenuators 193
 - 5.3.5 Phase Invariant Attenuators 195
- 5.4 Phase Shifters 197
- 5.5 Time Delay Lines 201
- 5.6 Tunable and Switched Frequency Filters 206
- Questions 209
- References 209

Chapter 6 Control Components: Switches and Matrices 211

- 6.1 Fundamentals 211
- 6.2 Classification and Parameters 213
- 6.3 Solid-State Switches and Matrices 217
 - 6.3.1 PIN-Diode Switches 218
 - 6.3.2 FET/GaAs Switches 220
 - 6.3.3 Solid-State Matrices 224

- 6.4 Coaxial Electromechanical Switches and Matrices 227
- 6.5 Waveguide Electromechanical Switches 231
- 6.6 Microelectromechanical Switches 234
- 6.7 Ferrite Switches 239
- 6.8 Reed, Motorized, Redundancy, Shorting, Transmitter/Receiver, Bidirectional, and Programmable Switches 241
- Questions 244
- References 244

Chapter 7 Amplifiers 247

- 7.1 Fundamentals 247
- 7.2 Classification and Parameters 250
- 7.3 Low-Noise Amplifiers 255
- 7.4 High Dynamic Range Amplifiers 259
- 7.5 Solid-State Power Amplifiers 261
- 7.6 Wideband Solid-State Amplifiers 266
- 7.7 Variable Gain, Transimpedance, Limiting, Cryogenic, Distribution, Fast Recovering, and Temperature Compensated Amplifiers 268
- 7.8 Klystrodes, Klystrons, TWTs, Amplitrons, Crossed-Field, and Gyro-Amplifiers 272
- 7.9 Pulse Amplifiers 277
- 7.10 Intermodulation Distortion and Linearization of Power Amplifiers 277
- Questions 282
- References 282

Chapter 8 Frequency Mixers and Converters 285

- 8.1 Fundamentals 285
- 8.2 Classification and Parameters 289
- 8.3 Balanced Mixers 292
- 8.4 Image Reject Mixers 297
- 8.5 Harmonic Mixers 298
- 8.6 Frequency Converters 303
- 8.7 Self-Oscillating Mixers 305
- Questions 308
- References 309

Chapter 9 Modulators and Demodulators 311

- 9.1 Fundamentals 311
- 9.2 Parameters and Classification 316
- 9.3 Amplitude Modulators and Detectors 318
- 9.4 BPSK Modulators and Demodulators 322
- 9.5 I/Q Modulators and Demodulators 325
- 9.6 Vector Modulators 329

- 9.7 Modulators with Extended Functional Possibilities 331
- 9.8 High-Speed Digital-to-Analog Converters in Modulators 332
- 9.9 Smoothing of Modulation Fronts 335
- Questions 337
- References 337

Chapter 10 Frequency Multipliers and Dividers 339

- 10.1 Fundamentals 339
- 10.2 Frequency Multipliers 344
 - 10.2.1 Passive Frequency Multipliers 344
 - 10.2.2 Active Frequency Multipliers 347
 - 10.2.3 Harmonic Multipliers 349
 - 10.2.4 Frequency Multipliers on PLL 350
- 10.3 Frequency Dividers 351
 - 10.3.1 Prescalers 351
 - 10.3.2 Counting Frequency Dividers 354
- Questions 355
- References 356

Chapter 11 Oscillation Sources 357

- 11.1 Fundamentals 357
- 11.2 Parameters 361
- 11.3 Standards of Frequency and Time 363
- 11.4 Crystal Oscillators 370
 - 11.4.1 Clock Oscillators 373
 - 11.4.2 High-precision Crystal Oscillators 376
 - 11.4.3 Frequency-Controlled Crystal Modules 378
- 11.5 SAW and BAW Oscillators 379
- 11.6 MEMS Oscillators 382
- 11.7 Oscillators with Stabilized Resonators 382
- 11.8 Optoelectronic Oscillators 390
- 11.9 Millimeter-Wave on Gunn and IMPATT Diodes Oscillators 391
- 11.10 Oscillators with Sapphire-Loaded Cavities 398
- 11.11 Oscillators on Tubes Microwave 403
- Questions 407
- References 408

Chapter 12 Frequency Controlled Oscillators 411

- 12.1 Fundamentals 411
- 12.2 Classification and Parameters 413
- 12.3 Narrowband VCO MMICs and Modules 418
- 12.4 Wideband and Octave Tuned VCOs 423

12.5 VCO with Crystal, SAW, Coaxial, and Dielectric Resonators	424
12.6 YIG-Tuned Oscillators	427
12.7 Digitally Tuned Oscillators	431
Questions	432
References	433

Chapter 13 Frequency Synthesizers, Signals, and Noise Sources 435

13.1 Fundamentals	435
13.2 Fixed Frequency Synthesizers	439
13.3 Direct Digital Synthesizers	443
13.4 Phase Locked Loop Frequency Synthesizers	449
13.5 Hybrid Synthesizers	454
13.6 Signal Synthesizers	460
13.7 Arbitrary Waveform and Noise Generators	466
Questions	471
References	471

Appendix A Web Sites and Names of Manufacturing Companies 473

List of Acronyms 489

About the Authors 495

Index 497

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Note

1. <http://www.artechhouse.com/International/Books/Handbook-of-RF-Microwave-and-MillimeterWave-Compon-1987.aspx>.

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