

Contents

<i>Preface</i>	v
<i>Symbols and Units</i>	vi
1. The Transistor	B1-1
<i>Appendix B-1 Circuit Analysis</i>	B1-9
2. Amplification and Frequency Response	B2-15
<i>Appendix B-2 Graphic Analysis and Power Gain</i>	B2-19
3. Transient Response and Negative Feedback	B3-23
<i>Appendix B-3 Fourier Series</i>	B3-27
4. Positive Feedback and Oscillation	B4-31
<i>Appendix B-4 Operational Amplifiers</i>	B4-37
5. Coupled Oscillators	B5-39
6. Periodic Structures	B6-47
7. Dispersion	B7-55
<i>Appendix B-7 Phase and Group Velocity</i>	B7-59
8. The Transmission Line	B8-63
<i>Appendix B-8 Nets and Sheets</i>	B8-69
9. The Microwave Klystron	B9-71
<i>Appendix B-9 Acoustic Transducers</i>	B9-83
10. Microwave Propagation	B10-87
<i>Appendix B-10 Acoustic Propagation</i>	B10-97
11. Microwave Polarization	B11-99
12. Microwave Diffraction and Interference	B12-103
<i>Appendix B-12a Acoustic Diffraction and Interference</i>	B12-109
<i>Appendix B-12b An Acoustic Brown-Twiss Interferometer</i>	B12-113