APPENDIX - I

REFERENCES

NOTES

REFERENCES

CHAPTER ONE

- [1] Microwave Semiconductor Engineering, White, J., F., pp. 62-66, J. F. White Publications, Inc., East Orleans, Massachusetts, 1995
- [2] R. V. Garver, Microwave Diode Control Devices, Artech House, 1977
- [3] P. C. Basile et al, "Solid State Antenna Switching", RCA Review, December 1981, pp 752-769
- [4] M. Caulton, et al, PIN Diodes for Low-Frequency High-Power Switching Applications, IEEE Transactions on Microwave Theory & Techniques, Vol MTT-30, No 6, June 1982, pp 875-882

CHAPTER TWO

- [1] IEEE Standard Dictionary of Electrical and Electronic Terms, Wiley-Interscience, NY, 1981
- [2] Reference Data For Radio Engineers, H. W. Sams & Co., A Subsidiary of ITT, NY, 1979, Ch. 36
- [3] W. E. Doherty, Jr., "The Use of Transmit / Receive Antenna Switches For Wireless Communications Systems, MICRO CURRENTS, Winter 1997-1998, pages 5 & 6, Microsemi Corporation

CHAPTER THREE

- [1] Reference Data For Radio Engineers, H. W. Sams & Co., A Subsidiary of ITT, NY, 1979, Ch 11
- [2] R. D. Joos, "Selection of PIN Diodes in Designing Matched Bridge TEE Attenuators for Low Frequency Distortion", Microsemi Corp. MPD 103, 1995
- [3] W. E. Doherty, Jr., "A Comparison of PIN Diodes and Rectifier Diodes, Microsemi Corp. MPD-101, 1994

CHAPTER FOUR

- [1] Reference Data For Radio Engineers, H. W. Sams & Co., A Subsidiary of ITT, NY, 1979, Ch 23
- [2] Digital Communications, Fundamentals and Applications, Bernard Sklar, Prentice Hall, 1988, Ch 7
- [3] Telecommunication Circuit Design, Patrick D. van der Puije, John Wiley & Sons, Inc., 1992, Ch.2
- [4] Telecommunication Transmision Handbook, Roger L. Freeman, John Wiley & Sons, 1991, Ch 4.

[CHAPTER FIVE

- [1] IEEE Standard Dictionary of Electrical and Electronic Terms, Wiley-Interscience, NY, 1981
- [2] Merrill I. Skolnik, RADAR Handbook, McGraw-Hill, NY, 1970, Chapter 12
- [3] H. A. Watson, Microwave Semiconductor Devices and Their Circuit Applications, McGraw-Hill, 1969, Chapter 10

CHAPTER SIX

- [1] IEEE Standard Dictionary of Electrical and Electronic Terms, Wiley-Interscience, NY, 1981
- [2] J. S, Thompson, P.M. Grant, & Bernard Mulgrew, "Smart Antenna Arrays for CDMA Systems" IEEE Personal Communications, Vol 3, No 5, October 1996, pp 16 25
- [3] R.S. Varnes & M.E.Bialkowski, "A Switched Radial Power Divider / Combiner for a Mobile Satellite Antenna Application", Microwave Journal, Vol. 39, No. 11, November 1996, pp 22 -38
- [4] W. E. Doherty, Jr., "Silicon PIN Diodes and Ga As MESFET Switches and Their Effects on the Linearity of Digital Communications Links", Wireless Technology Conference -1995, pp 196-207

CHAPTER SEVEN

- [1] W.E. Doherty, Jr and R. D. Joos, "PIN Diodes Offer High-Power HF-Band Switching", Microwaves & RF, Vol 32, No. 12, pp 119-128, December 1993
- [2] P.C. Basile et al, "Solid State Antenna Tuning", RCA Review, December 1981, pp. 752-769.
- [3] M. Caulton et al, "PIN Diodes for Low Frequency, High Power Switching Applications", IEEE Transactions on Microwave Theory & Techniques, June 1982, pp 875-881.
- [4] Technical Correspondence Section, QST, Sept. 1994, pp 71-74
- [5] ARRL Handbook For Radio Amateurs, American Radio Relay League, Inc., Newington CT, 1991, p 19-8

CHAPTER EIGHT

[1] D. M. Peterson, G. R. Duensing, & J. R. Fitzsimmins, MRI Basics and Coil Design Principals", R F Design January, 1997, pp 56 - 64

APPENDIX A

- [1] IEEE Standard Dictionary of Electrical and Electronic Terms, Wiley-Interscience, NY, 1981
- [2] Sze, S. M., Modern Semiconductor Device Physics, John Wiley & Sons, NY, 1988
- [3] Martinell, R. & Rosen, A, IEEE Elec. Dev. ED-17, Sept'80 pp. 17728-1732
- [4] The Forward Characteristic of Silicon Power Rectifiers at High Current Densities Herlet, A., Solid-State Electronics Vol. 11, No. 8, pp. 717-742, 1968
- [5] Notes on the Forward Characteristic of Power Rectifiers Spenke, E., Solid-State Electronics Vol. 11, No. 12 pp. 1119-1130, Dec. 1968
- [6] Microwave Semiconductor Engineering, White, J., F., pp. 62-66, J. F. White Publications, Inc., East Orleans, Massachusetts, 1995

- [7] Varactor Applications, Penfield, P., Jr., and Rafuse, R. P., The M. I. T. Press Massachusetts Institute of Technology, Cambridge, Massachusetts 1962
- [8] Microwave Semiconductor Engineering, White, J., F., pp. 43-45, J. F. White Publications, Inc., East Orleans, Massachusetts, 1995
- [9] Switching Processes in Diffused Rectifiers I. Theory Benda, H., and Dannhauser, Solid-State Electronics Vol. 11, No. 1, pp. 1-12, Jan. 1968
- [10] Switching Processes in Diffused Rectifiers II. Experiment Porst, A., and Schuster, K., Solid State Electronics Vol. 11, No. 1, pp. 13-24, Jan. 1968

APPENDIX B

Self contained

APPENDIX C

Self contained

APPENDIX D

- [1] Microwave Semiconductor Engineering, White, J. F., Chapter IV, J. F. White Publications, Inc., East Orleans, Massachusetts, 1995
- [2] Driving Circuits and Interfaces for PIN Diodes and Ferrite Phase ShiftersC. J. Georgopoulos, Interface Control Technologies, Inc., 1990, Chapeters 3 & 4

APPENDIX E

- [1] "A Comparison of PIN Diodes and Rectifier Diodes", W. E. Doherty, Jr., Microsemi Corp MPD-101A (Also see included references)
- [2] S. M. Sze, Modern Semiconductor Device Physics, John Wiley & Sons, NY, 1988

APPENDIX F

- [1] E. Simon & G. Hiller, "Silicon PIN Radiation Detectors", Unitrode Corp. Internal Memorandum, 1978
- [2] S.M. Sze, Modern Semiconductor Device Physics, John Wiley & Sons, New York, 1988