

MICROWAVE AND GUIDED WAVE LETTERS®

A PUBLICATION OF THE IEEE MICROWAVE THEORY AND TECHNIQUES SOCIETY



MARCH 1998

VOLUME 8

NUMBER 3

IMGLE3

(ISSN 1051-8207)

LETTERS

A Fast Technique for Analysis of Waveguides	<i>P. Przybyszewski, J. Mielewski, and M. Mrozowski</i>	109
High-Speed Monolithic Millimeter-Wave Switch Array	<i>F. Jiang, W. Berk, Z.-T. Chen, S. Duncan, X.-H. Qin, D. W. Tu, W.-M. Zhang, C. W. Domier, and N. C. Luhmann, Jr.</i>	112
Nonleaky Conductor-Backed Coplanar Waveguide-Fed Rectangular Microstrip Patch Antenna	<i>D. R. Jahagirdar and R. D. Stewart</i>	115
A Simplified Normalization FDTD Formula and Its Application to VIP Compline Bandpass Filters	<i>C. Zhao</i>	118
Linear High-Efficiency Microwave Power Amplifiers Using Bandpass Delta-Sigma Modulators	<i>A. Jayaraman, P. F. Chen, G. Hanington, L. Larson, and P. Asbeck</i>	121
Efficient Calculation of the Green's Function for the Rectangular Cavity	<i>M.-J. Park, J. Park, and S. Nam</i>	124
Hierarchical Tangential Vector Finite Elements for Tetrahedra	<i>L. S. Andersen and J. L. Volakis</i>	127
Network Equivalence of Port Discontinuity Related to Source Plane in a Deterministic 3-D Method of Moments	<i>L. Zhu and K. Wu</i>	130
A High-Efficiency Traveling-Wave Power Amplifier Topology Using Improved Power-Combining Techniques	<i>E. S. Shapiro, J. Xu, A. S. Nagra, F. Williams, Jr., U. K. Mishra, and R. A. York</i>	133
Low-Power Silicon BJT LNA for 1.9 GHz	<i>J. J. Kucera and U. Lott</i>	136
A New Hybrid FDTD-BIE Approach to Model Electromagnetic Scattering Problems	<i>H. Rogier, F. Olyslager, and D. De Zutter</i>	138
Modeling of Lumped-Element Coplanar-Stripline Low-Pass Filter	<i>S.-G. Mao, H.-K. Chiou, and C. H. Chen</i>	141
