

MICROWAVE AND GUIDED WAVE LETTERS®

A PUBLICATION OF THE IEEE MICROWAVE THEORY AND TECHNIQUES SOCIETY



MARCH 2000

VOLUME 10

NUMBER 3

IMGLE3

(ISSN 1051-8207)

LETTERS

A Surface Impedance Approach for Modelling Transmission Line Losses in FDTD	<i>W. Thiel</i>	89
A Compact Semi-Lumped Low-Pass Filter for Harmonics and Spurious Suppression	<i>J.-W. Sheen</i>	92
A Microstrip Elliptic Function Filter with Compact Miniaturized Hairpin Resonators	<i>J.-T. Kuo, M.-H. Maa, and P.-H. Lu</i>	94
A Low Loss Time-Delay Phase Shifter Controlled by Piezoelectric Transducer to Perturb Microstrip Line.....	<i>T.-Y. Yun and K. Chang</i>	96
Micromachined 28 GHz Wilkinson Divider in CMOS Technology	<i>M. Ozgur, M. E. Zahgloul, and M. Gaitain</i>	99
A Synthesis Oriented Approach to Design Microwave Multi-Device Amplifiers with a Prefixed Stability Margin	<i>F. Centurelli, G. Scotti, P. Tommasino, and A. Trifiletti</i>	102
Design and Verification of a Novel Crossed Dipole Structure for Quasi-Optical Frequency Doublers	<i>S. Helbing, M. Cryan, F. Alimenti, P. Mezzanotte, L. Roselli, and R. Sorrentino</i>	105
Design of a 70 GHz Second-harmonic Gyroklystron Experiment for Radar Application.....	<i>W. Lawson</i>	108
Phase Noise Improvement in a Loop Configuration of Oscillating Antennas	<i>L. Dussopt and J.-M. Laheurte</i>	111

CORRESPONDENCE

Comments on "Wave Propagation Properties in High-Temperature Superconducting Parallel-Plate Waveguides"	<i>H. J. Chaloupka</i>	114
---	------------------------	-----

PATENT ABSTRACTS	<i>H. C. Bell</i>	115
------------------------	-------------------	-----
