

IEEE

MICROWAVE AND WIRELESS COMPONENTS LETTERS®

A PUBLICATION OF THE IEEE MICROWAVE THEORY AND TECHNIQUES SOCIETY



OCTOBER 2002

VOLUME 12

NUMBER 10

IMWCBJ

(ISSN 1531-1309)

LETTERS

Characterization of Ultrafast Devices Using Near-Field Optical Heterodyning	369
..... <i>M. E. Ali, K. Geary, H. R. Fetterman, S. K. Han, and K. Y. Kang</i>	
Novel Flip-Chip Bonding Technology for W-Band Interconnections Using Alternate Lead-Free Solder Bumps.	372
..... <i>K. Onodera, T. Ishii, S. Aoyama, S. Sugitani, and M. Tokumitsu</i>	
A Compact-Size Microstrip Spiral Resonator and Its Application to Microwave Oscillator	375
..... <i>Y.-T. Lee, J.-S. Lim, C.-S. Kim, D. Ahn, and S. Nam</i>	
Analysis of High Speed P-I-N Photodiodes <i>S</i> -Parameters by a Novel Small-Signal Equivalent Circuit Model.	378
..... <i>G. Wang, T. Tokumitsu, I. Hanawa, K. Sato, and M. Kobayashi</i>	
Analytical Derivation of a Two-Section Impedance Transformer for a Frequency and Its First Harmonic	381
..... <i>C. Monzon</i>	
Parallel Coupled Microstrip Filters With Suppression of Harmonic Response. . . . <i>J.-T. Kuo, W.-H. Hsu, and W.-T. Huang</i>	383
A Novel Dual-Mode Bandpass Filter With Wide Stopband Using the Properties of Microstrip Open-Loop Resonator . . .	386
..... <i>A. Görür</i>	
Gradient-Based Optimization of Filters Using FDTD Software	389
..... <i>P. Kozakowski and M. Mrozowski</i>	
A New MRTD Scheme Based on Coifman Scaling Functions for the Solution of Scattering Problems	392
..... <i>X. Wei, E. Li, and C. Liang</i>	
Reliable Method for Computing the Phase Shift of Multiline LRL Calibration Technique <i>J. A. Reynoso-Hernández</i>	395
Leaky-Wave Dispersion Behavior on a Grounded Ferrite Slab Waveguide	398
..... <i>A. B. Yakovlev and G. W. Hanson</i>	
Effects of Mechanical Flaws in Open-Ended Coaxial Probes for Dielectric Spectroscopy	401
..... <i>D. Popovic and M. Okoniewski</i>	

PATENT ABSTRACTS.	<i>H. C. Bell</i>	404
---------------------------	-------------------	-----

ANNOUNCEMENTS

Call for Papers—Topical Meeting on Silicon Monolithic Integrated Circuits in RF Systems	417
---	-----
