



IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES

MAY 1967

Published Monthly

VOLUME MTT - 15

NUMBER 5

EDITORIAL BOARD

Editor

S. Okwit

Advertising Editor

J. H. Bryant

D. B. Anderson
D. J. Angelakos
A. D. Berk
C. R. Boyd
M. E. Brodwin
H. E. Bussey
C. J. Carter
K. S. Champlin
A. Clavin
M. Cohn
S. B. Cohn
P. D. Coleman
R. E. Collin
E. G. Cristal
W. Culshaw
W. B. Day
B. C. DeLoach
R. V. Garver
W. J. Getsinger
I. Goldstein
R. C. Hansen
H. Heffner
E. M. T. Jones
G. R. Jones
I. Kaufman
D. D. King
P. A. Loth
G. L. Matthaei
S. E. Miller
T. Moreno
S. P. Morgan
W. W. Mumford
F. A. Olson
J. Reed
F. Reggia
G. P. Rodrigue
G. E. Schafer
B. M. Schiffman
R. F. Schwartz
C. B. Sharpe
L. Stark
D. C. Stinson
D. J. R. Stock
W. Streifer
L. Swern
J. J. Taub
F. J. Tischer
P. H. Vartanian
A. T. Villeneuve
J. R. Wait
R. J. Wenzel
R. F. Whitmer
J. C. Wiltse
L. Young

CONTRIBUTIONS

Propagation in the Off Center <i>E</i> -Plane Dielectrically Loaded Waveguide.....	N. Eberhardt	282
Stabilization of the Gain versus Frequency Characteristics of Parametric Amplifiers at High Input Signal Levels.....	H. E. Brenner	290
Correction to "A Light Beam Waveguide Using Hyperbolic-Type Gas Lenses".....	Y. Suematsu, K. Iga, and S. Ito	294
Design of Composite Magnetic Circuits for Temperature Stabilization of Microwave Ferrite Devices.....	E. Stern and W. J. Ince	295
A Unilateral Parametric Amplifier.....	H. E. Brenner	301
The Digital Elliptic Filter—A Compact Sharp-Cutoff Design for Wide Bandstop or Bandpass Requirements.....	M. C. Horton and R. J. Wenzel	307
On the Mode Correspondence Between Circular and Square Multimode Tapered Waveguides.....	C. C. H. Tang	314

CORRESPONDENCE

Theory of Unidirectionality and Conjugate Matching in Three-Port Time-Varying Reactance Circuits.....	A. E. Fantom	318
Acoustic Gas Lenses for Light.....	J. Kerdiles and J. R. Whinnery	321
The Resonant Frequency of Interdigital Filter Elements.....	D. D. Khandelwal	322
Simplifying Maxwell's Equations in Gyrotropic Media.....	C. F. Vasile	324
A Wideband Microwave Solid-State FM Deviator.....	W. J. Clemetson	326
Comments on "Longitudinal Waves in a Hot-Nonuniform Plasma".....	D. Kalluri, H. Unz, and K. E. Lonngren	326
Properties of a TEM Transmission Line Used in Microwave Integrated Circuit Applications.....	H. C. Okean	327

CONTRIBUTORS.....	329
-------------------	-----

MICROWAVE ABSTRACTS.....	330
--------------------------	-----

INFORMATION FOR AUTHORS.....	332
------------------------------	-----