



IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES

AUGUST 1967

VOLUME MTT-15

NUMBER 8

Published Monthly

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
I. Kaufman
D. D. King
P. A. Loth
G. L. Matthaei
S. E. Miller
T. Moreno
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

- The Amplitude Response of a Coupled Transmission Line, All-Pass Network Having Loss *R. A. Kolker* 438
- Propagation Through a Twisted Medium *G. C. McCormick* 443
- The Numerical Solution of Rectangular Waveguide Junctions and Discontinuities of Arbitrary Cross Section *C. A. Muilwyk and J. B. Davies* 450
- The Green's Dyadic for Radiation in a Bounded Simple Moving Medium *Y. J. Seto* 455
- Coupler-Type Bend for Pillbox Antennas *V. Mazzola and J. E. Becker* 462
- A Parallel-Plate Waveguide Approach to Microminiaturized, Planar Transmission Lines for Integrated Circuits *H. Guckel, P. A. Brennan, and I. Palócz* 468

CORRESPONDENCE

- Analysis and Calibration of a Reflection Coefficient Bridge for Use with Any Waveguide Mode *K. S. Champlin, J. D. Holm, and D. B. Armstrong* 477
- Magnetodynamic Modes in Axially Magnetized Ferrite Rods Between Two Parallel Conducting Sheets *H.-D. Godtman and W. Haas* 478
- Relative Humidity Effects in Microwave Resonators *D. M. Smith* 480
- Optimum Elliptic-Function Filters for Distributed Constant Systems . *L. Fraiture and J. Neirynek* 482
- Higher Order Modes in Rectangular Coaxial Waveguides *L. Gruner* 483
- Numerical Solution of TEM-Line Problems Involving Inhomogeneous Media *H. E. Brenner* 485
- Realizations of a Duo-Pole Branch of an Elliptic-Function Bandstop Filter *B. M. Schiffman* 487
- Characteristic Impedance of Multifin Transmission Lines *C. R. Boyd* 487
- Comment on "Cylindrical Waveguides Containing Inhomogeneous Dielectric" *S. L. Richter, Y. Klinger, and E. AhSam* 488

CONTRIBUTORS 489

WHY JOIN G-MTT? 491

INFORMATION FOR AUTHORS 492