



IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES

MARCH 1968

Published Monthly

VOLUME MTT-16

NUMBER 3

EDITORIAL BOARD

Editor

S. Okwit ✓

Advertising Editor

J. H. Bryant ✓

D. B. Anderson ✓

A. D. Berk ✓

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. Cristaf~~

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 ✓

D. D. King ✓

P. A. Loth ✓

G. L. Matthaei ✓

S. E. Miller ✓

W. W. Mumford ✓

F. A. Olson ✓

J. Reed ✓

F. Reggia ✓

G. P. Rodrigue ✓

G. E. Schafer ✓

B. M. Schiffman ✓

R. F. Schwartz ✓

R. Seckelmann ✓

C. B. Sharpe ✓

D. C. Stinson ✓

D. J. R. Stock ✓

W. Streifer ✓

L. Swern ✓

C. T. Tai ✓

J. J. Taub ✓

F. J. Tischer ✓

P. H. Vartanian ✓

A. T. Villeneuve ✓

J. R. Wait ✓

R. J. Wenzel ✓

R. F. Whitmer ✓

L. Young ✓

CONTRIBUTIONS

Precise Design of Coaxial Low-Pass Filters.....	R. Levy and T. E. Rozzi	142
Printed-Circuit Complementary Filters for Narrow Bandwidth Multiplexers.....	R. J. Wenzel	147
Broadband Matching of Resonant Circuits and Circulators.....	E. Schwartz	158
Application of the Solutions of Certain Boundary Value Problems to the Symmetrical Four-Port Junction and Specially Truncated Bends in Parallel-Plate Waveguides and Balanced Strip-Transmission Lines.....	J. J. Campbell	165
A New Type of Latching Switchable Ferrite Junction Circulator.....	W. W. Siekanowicz and W. A. Schilling	177
Circumferential Gap in a TE ₀₁ -Mode-Transmitting Multimode Circular Waveguide.....	N. Morita and Y. Nakanishi	183

CORRESPONDENCE

The Insertion Loss of Transmission Lines Used in Matching Networks.....	L. J. Ricardi	189
Some General Properties of Commensurate-Linlength Complementary and Pseudo-Complementary Microwave Filters.....	R. J. Wenzel	191
A New Type of Waveguide-to-Stripline Transition.....	R. H. Knerr	192
Semiconductor Rod in Waveguide—Field Distribution for Positive and Negative Conductivity.....	J. B. Andersen and B. Majborn	194
A Microwave Integrated Circuit Avalanche-Diode Oscillator.....	R. Blau	196
Mode Conversion in Short Conical and Asymmetrical-Rectangular Waveguide Tapers.....	K. Tomiyasu	197
Input VSWR and Output Isolation of Lossy N-Way Hybrid Power Dividers.....	H. J. Hindin	199
Experimental Confirmation of Barretter Substitution Error.....	J. W. Adams and R. F. Desch	201
Effect of "Ring Resonance" in Circulator Time-Delay Circuit.....	C. A. Shipley	202

CONTRIBUTORS.....	204
-------------------	-----

INFORMATION FOR AUTHORS.....	206
------------------------------	-----

WHY JOIN G-MTT?.....	207
----------------------	-----