



# **2001 IEEE MTT-S International Microwave Symposium Digest**

## **Volume 1**

**May 20 - 25, 2001  
Phoenix Civic Plaza  
Phoenix, AZ**

***Digest Editor, Bernard Sigmon  
Digest Co-Editors, Rudy Emrick and Steve Rockwell  
CD-ROM Editor, Debabani Choudhury  
CD-ROM Co-Editor, Rashaunda Henderson***

*IEEE Cat. No. 01CH37157*

*Copyright Reg. ISSN 0149-645X*



Responsibility for the contents of the papers published in this Digest rests upon the author and not upon IEEE or any of its members.

**Additional copies of this Digest are available from,**

The Institute of Electrical and Electronic Engineers, Inc  
Publication Order Department  
445 Hoes Lane, Piscataway, NJ 08855-1331

<i>IEEE Catalog Number</i>	<i>01CH37157</i>	<i>ISBN 0-7803-6538-0 (softbound)</i>
<i>Library of Congress Number</i>	<i>77-645125</i>	<i>ISBN 0-7803-6713-8 (casebound)</i>
<i>ISSN:</i>	<i>0149-645X</i>	<i>ISBN 0-7803-6539-9 (microfiche)</i>
		<i>ISBN 0-7803-6540-2 (CD-ROM)</i>

**IEEE MTT-S International Microwave Symposium**

IEEE MTT-S International Microwave Symposium Digest 1977  
New York, Institute of Electrical and Electronics Engineers  
v. III. 28 cm. Annual

Continues: IEEE MTT-S International Microwave Symposium Digest of Technical Papers

Key title: IEEE MTT-S International Microwave Symposium Digest

1. Microwaves-Congresses
2. Microwave Devices-Congresses
- I. Institute of Electrical and Electronics Engineers
- II. IEEE MTT-S International Microwave Symposium Digest

TK7876.1184  
Library of Congress

621.381'3  
78

77-645-125  
MARC-S

Copyright and Reprint Permission: Abstracting is permitted with credit to the source. Libraries are permitted to photocopy beyond the limit of the U.S. copyright law for private use of patrons those articles in this volume that carry a code at the bottom of the first page, provided the per-copy fee indicated in the code is paid through the Copyright Clearance Center; 222 Rosewood Drive, Danvers, MA 01923. For other copying, reprint, or republication permission, write to IEEE Copyrights Manager, IEEE Service Center, 445 Hoes Lane, P.O. Box 1331, Piscataway, NJ 08855-1331. All rights reserved. Copyright © 2001 by the Institute of Electrical and Electronics Engineers, Inc.

**Photos courtesy of:** Heard Museum, Arizona Office of Tourism, and Arizona Department of Commerce.

**Cover Design:** Judi Glidden, JG Designs, Loveland, Ohio.

