DESCRIPTION

"Mark I. Montrose, the best-selling author of PRINTED CIRCUIT BOARD DESIGN TECHNIQUES FOR EMC COMPLIANCE, now brings you his newest book, EMC AND THE PRINTED CIRCUIT BOARD.

This accessible, new reference work shows how and why RF energy is created within a printed circuit board and the manner in which propagation occurs. With lucid explanations, this book enables engineers to grasp both the fundamentals of EMC theory and signal integrity and the mitigation process needed to prevent an EMC event. Author Montrose also shows the relationship between time and frequency domains to help you meet mandatory compliance requirements placed on printed circuit boards.

Using real-world examples the book features:

* Clear discussions, without complex mathematical analysis, of flux minimization concepts

* Extensive analysis of capacitor usage for various applications

* Detailed examination of components characteristics with various grounding methodologies, including implementation techniques

* An in-depth study of transmission line theory

* A careful look at signal integrity, crosstalk, and termination"

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ABOUT THE AUTHOR

About the Author...

Mark I. Montrose is principal consultant of Montrose Compliance Services, Inc., a full-service regulatory compliance firm specializing in electromagnetic compatibility and product safety. His work experience includes the design, test, and certification of information technology, along with industrial, scientific, and medical equipment. His background includes systems design and product, manufacturing, and component engineering.

Mr. Montrose is a senior member of the Institute of Electrical and Electronic Engineers (IEEE) and a member of the Board of Directors of the IEEE EMC Society. In addition, he is a member of TC-8, the Product Safety Technical Committee of the IEEE EMC Society and dB Society. Mr. Montrose also provides accredited PCB design and layout seminars to corporate clients worldwide and is the author of Printed Circuit Board Design Techniques for EMC Compliance (IEEE Press, 1996).

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