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PROFESSIONAL & REFERENCE

# TIP SHEET

**PROFESSIONAL BOOK GROUP**

**Title:** HANDBOOK OF TRANSFORMER DESIGN AND APPLICATIONS, Second Edition

**Author:** William M. Flanagan

**Series:**

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**SALES HANDLE**

A complete guide to designing and applying transformers.

| Sponsor/Editor | 529 (DG) |
|---|---|
| Subject | Electronics |
| Catalog Page | 92 |

**Key Features:**

- Extensive revisions to every chapter
- New chapter on computer technology and its impact on design and analysis issues
- Covers the important topic of power conversion

**Markets:** Electrical engineers, designers of magnetic components, technicians, managers and project engineers

**Author Information:** William Flanagan (Nobleboro, ME) is currently a consulting electrical engineer and specialist in magnetics for electronics. He is an authority in the field of design and manufacture of electronics components and has been an active member of the industry for over 40 years.

**Related Books:**
(0-07-005330-8) Billings, SWITCHMODE POWER SUPPLY DESIGN HANDBOOK

(0-07-021290-2) Flanagan, HB OF TRANSFORMER APPLICATIONS 1986,

(0-07-050806-2) Pressman, SWITCHING POWER DESIGN 1991,

**Previous Edition:** 021290-2, Flanagan, HB OF TRANSFORMER APPLICATIONS, $75.00, 1986 144-YTD; 5338-TOTAL

**Contents:** 1. Magnetic and electrical fundamentals 2. Circuit analysis 3. Circuit performance of power transformers 4. Circuit performance of audio and wideband transformers 5. Circuit performance of pulse transformers 6. The use of ferromagnetic materials in transformers and inductors 7. Mechanical considerations 8. Insulation systems 9. Thermal considerations 10. Design procedures 11. Multiple-phase transformers 12. Rectifier transformers 13. Inverter transformers 14. Static magnetic devices other than transformers 15. Magnetic device economics 16. Procurement practice 17. Specifications and quality assurance 18. Computer applications