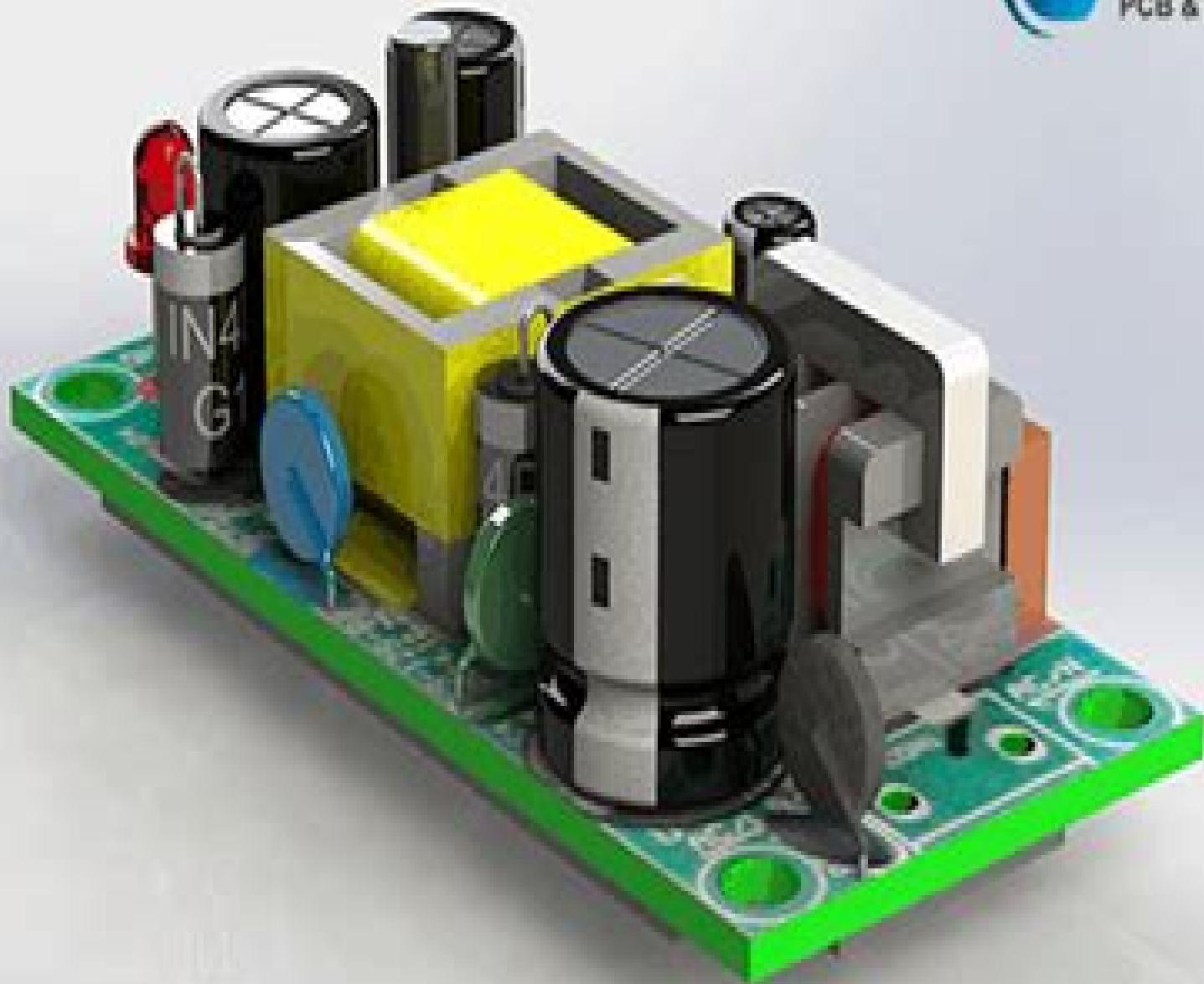




Switching Power Supply Design

A Gutmann



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supplies with Practical Switching Power Supply Design This is a comprehensive hands on guide to the theory behind and design of PWM and resonant switching supplies You ll find information on switching supply operation and selecting an appropriate topology for your application There s extensive coverage of buck boost flyback push pull half bridge and full bridge regulator circuits Special attention is given to semiconductors used in switching supplies RFI EMI reduction grounding testing and safety standards are also detailed Numerous design examples and equations are given and discussed Even if your primary expertise is in logic or microprocessor engineering you ll be able to design a power supply that s right for your application with this essential guide and reference Gives special attention to resonant switching power supplies a state of the art trend in switching power supply design Approaches switching power supplies in an organized way beginning with the advantages of switching supplies and thier basic operating principles Explores various configurations of pulse width modulated PWM switching supplies and gives readers ideas for the direction of their designs Especially useful for practicing design engineers whose primary specialty is not in analog or power engineering fields **Switched Mode Power Supplies** H. W. Whittington,Brian W. Flynn,Donald Ewen Macpherson,1992 Switched mode power supplies are now established as an industry standard method of providing power to many types of electronic equipment This book provides thorough up to date coverage of all aspects of switched mode power supply technology **Switching and Linear Power Supply, Power Converter Design** Abraham I. Pressman,1977 **High-frequency Switching Power Supplies** George Chryssis,1989

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