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An electronic oscillator in which the oscillator frequency is determined

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through a tuned circuit consisting of inductors and capacitors is called the Harley oscillator. The invention of the Harley oscillator circuit was done in 1915 by Ralph Hartley, an American engineer. This oscillator is a type of harmonic oscillator.

Hartley Oscillator : Circuit, Working

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and Its Applications

Applications. A common application of series circuit in consumer electronics is in batteries, where several cells connected in series are used to obtain a convenient operating voltage. Two disposable zinc cells in series might power a flashlight or remote control at 3 volts; the battery pack for a hand-held

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power tool might contain a dozen ...

Series and parallel circuits - Wikipedia

Electronic Circuits covers all important aspects and applications of modern analog and digital circuit design. The basics, such as analog and digital circuits, on operational amplifiers,

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combinatorial and sequential logic and memories, are treated in Part I, while Part II deals with applications.

Electronic Circuits: Handbook for Design and Application ...

An electronic circuit is composed of individual electronic components, such as resistors, transistors, capacitors,

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inductors and diodes, connected by conductive wires or traces through which electric current can flow. To be referred to as electronic, rather than electrical, generally at least one active component must be present. The combination of components and wires allows various simple ...

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Electronic circuit - Wikipedia

What sets electronic circuits different from electrical circuits is its ability to make decisions, process information, and interpret a signal or instruction to perform a task. The components are usually small, using direct current (DC) voltages. On the other hand, electrical circuits simply power machines with

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The MOSFET (Metal Oxide Semiconductor Field Effect Transistor) transistor is a semiconductor device

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which is widely used for switching and amplifying electronic signals in the electronic devices. The MOSFET is a core of integrated circuit and it can be designed and fabricated in a single chip because of these very small sizes.

What is the MOSFET: Basics, Working Principle and Applications

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