

What is a variable capacitor?

A variable capacitor is a capacitor whose capacitance may be intentionally and repeatedly changed mechanically or electronically.

What is a fixed capacitor & a variable capacitor?

The capacitors with the capacitance value are fixed are known as 'Fixed Capacitors'. Similarly, the capacitors that are with varying amounts of capacitance are known as Variable Capacitors. This type of capacitor has the capability of changing the values of its capacitance either "Electrically" or "Mechanically".

What determines the capacitance of a variable capacitor?

The capacitance of a variable capacitor is determined by the overlapping area and distance between the rotor and stator plates. When the rotor plates are fully screwed into the fixed plates, the capacitance is at its maximum. Conversely, when the rotor plates are completely rotated out of the fixed plates, the capacitance is at its minimum.

What are the applications of variable capacitors?

There are various applications of these Variable Capacitors. Some of them are listed as follows: In this capacitor, the type called Trimmer Capacitor can be easily used on the 'Printed Circuit Board'. These are preferred in the 'Calibration' of the equipment. These are used in the 'Receivers' of radio. Where the LC circuits are present.

How do you identify a variable capacitor?

Variable capacitors are labeled with numbers or alphanumeric codes to indicate their capacitance value, rated voltage, tolerance, and temperature coefficient. Some capacitors use a 3-digit notation, where the first two digits represent the capacitance value and the third digit indicates the multiplier or the number of zeros after the second digit.

What is the range of capacitance of a capacitor?

The two plates of this capacitor can be made with metals where one plate is fixed & the other one is movable. The range of capacitance that is provided by the capacitor can range from 10 pF to 500 picofarads. The symbol of this capacitor is shown below where the arrow symbol in the image shows that is a variable one.

A variable capacitor is a capacitor whose capacitance may be intentionally and repeatedly changed mechanically or electronically. Variable capacitors are often used in L/C circuits to set the resonance frequency, e.g. to tune a radio (therefore it is sometimes called a tuning capacitor or tuning condenser), or as a variable reactance, e.g. for impedance matching in antenna tuners.

Capacitor applications. Table credit: Wikipedia. Specifications Fixed vs. Variable. Capacitors can feature

either fixed or variable capacitance. Fixed capacitors simply have a fixed, ...

Variable capacitor is a capacitor that can change the capacitance. By adjusting the structural parameters of the capacitor, its capacitance can be adjusted within a certain range. ... providing strong ...

FEATURES These are AM/FM 2-band radio use POLYVARICONs. Improved electric and mechanical characteristics and superb quality control implemented make them highly satisfactory as high-grade variable capacitors. SPECIFICATIONS Shaft Mounting Dimensions Dimensions Form (mm) (mm) Models Uses 2LXT-L5 AM/FM (2-band) Front 21 21 16.5 mounting AM/FM (2 ...

A variable capacitor is an electrical component used to temporarily store electrical energy in an electric field. Unlike fixed capacitors, the capacitance of a variable ...

See the series lineup and specifications here. Variable Capacitors . Variable capacitors have capacitance values that can be vari... What is a variable capacitor (VAC)? VACs are passive components with capacitance values that ...

The capacitance value of a variable capacitor is altered by applying a voltage. By making use of this property, optimum characteristics can be obtained in circuits with tight tolerance requirements by adjusting the applied voltage.

Variable Capacitor LXRW19V201-058 p1/17 1 September, 2018 1. This specification shall be applied to the VARIABLE CAPACITOR. LXRW19V201-058 2. Features This device can carry out variable of the capacitor by adjusting the tuning voltage. This device can be used as a device for frequency adjustments of FeliCa(NFC) like switch IC(Capacitor

The capacitor is a Ceramic, VARIABLE capacitance, vacuum capacitor. 20-1000 pf capacitance rated at 20 KV peak voltage. These units are removed from equipment, checked, and ...

8 Capacitors should not be operated outside of rated capacitance range and working voltage. Specifications Notes Soldering FilmTrim Capacitors Cleaning FilmTrim Capacitors FilmTrim Variable Capacitors 5mm Top Adjust +1 (631) 425-0938 sales@passiveplus PPIFILMTRIM5MM041823RevA

Also, what do you call this style of variable capacitor? I was looking for them on digikey to find specs/related parts, but came up empty. Thanks! Archived post. New comments cannot be posted and votes cannot be cast. Share Sort by: ...

Web: <https://vielec-electricite.fr>