

We have been developing and manufacturing Vacuum Capacitors (VCs) since 1992 as the one and only VC supplier in Japan. In making VCs, we adopt the technologies and know-hows related to Vacuum Interrupter (VIs) that we accumulated as we develop and manufacture VIs and Vacuum Circuit-Breakers (VCBs) for more than half a century. Our VCs are used ...

When Tesla filed the patent, the variable vacuum capacitor was meant to enhance the quality of electrical components for handling "high-frequency currents", however they have only been available commercially ...

Any two conductors separated by an insulator (or vacuum) form a capacitor as in Figure (4-1). If the conductors carry charges of equal magnitude and opposite sign, a potential difference ΔV exists between them. Experiments show that the quantity of charge. The proportionality constant depends on the shape and separation of the conductors.

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In principle, only vacuum capacitors can fulfill these properties. Because of the much better insulating properties of vacuum compared to air, vacuum capacitors are very often used. The electrodes of vacuum capacitors are typically concentric rings or ...

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