



Electrical Power Capacitors: Design and Manufacture

By D Tagare

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Electrical Power Capacitors: Design and Manufacture By D Tagare

Capacitors are devices which can store electric charge. They are used in tuned circuits, timing circuits, filters, amplifier circuits. And are used for power factor correction for starting single phase motors. Electrical power capacitors: design and manufacture, describes the raw materials used in the manufacture of capacitors and evaluates them. Written by an engineer who has more than 30 years of experience, the book deals with the aspects of construction and design of capacitor units. Some of the aspects covered include thermal design, partial discharges, aging, dielectric breakdown, metallised film type and aluminium foil type capacitors. The book also reviews the development of capacitors. A significant feature of the book is testing. It includes tests, type of tests and tests for insurance qualifications-aspects which are of immense importance for engineers. Other topics include: medium frequency capacitors dc and storage capacitors series, harmonic filter and surge protection capacitors specifications accord to international electric commission (iec) illustrations. The author, d m tagare, has over 37 years of experience in the design and development of electrical power capacitors.

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