

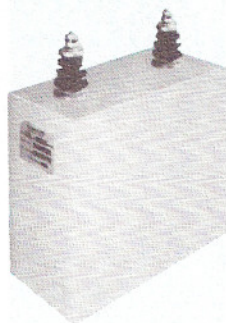
Energy Discharge Capacitors are being used for generating the large magnetic fields required in plasma physics, laser experiments, metal forming, and hypervelocity (hot shot) wind tunnels. The Sangamo Electric Company manufactures low inductance Energy Discharge Capacitors and the new Laser Discharge Capacitors in a wide range of voltage and capacitive ratings. Standard ratings are offered for immediate delivery from stock.



Sangamo Type EDC Energy Discharge Capacitors with high voltage-low inductance characteristics are designed to meet the rigid requirements of applications where ringing discharge currents are very intense and voltage reversals are in excess of 90%. Sangamo Type EDC capacitors are classified into two categories, Class B and Class C.



Sangamo Type EDC, Class B capacitors offer an economical unit through the use of a conventional impregnant. These units are built with high density, high quality Kraft tissue paper and are impregnated with Sangamo Diaclor B. Sangamo high standards of workmanship assure a product of quality and dependability.



Sangamo Type EDC, Class C capacitors are impregnated with Sangamo Complex C, a unique impregnant demonstrating unusually long life characteristics, and are built with the same high density, high quality Kraft tissue paper. Sangamo Complex C, in combination with manufacturing techniques developed through years of experience, makes possible a life expectancy approaching 100,000 discharges when the unit is discharged under recommended conditions of ringing frequency and voltage reversal.

Sangamo Type LDC Laser Discharge Capacitors are especially designed for laser research. These units are also used in photoflash and spotwelding applications where the discharge is over-damped or the load is essentially resistive. Sangamo Type LDC capacitors are available from stock in various ratings from 85 to 3000 joules.

Sangamo's experience in developing and manufacturing energy capacitors has pioneered the way for new designs and advanced manufacturing techniques. Sangamo engineers are also familiar with the design of energy systems and can recommend various types of power supplies, transmission devices, and switches for your specific applications.