

Celem Introduces a New Super Compact Low Frequency Capacitor

CLF3

CLF3 is a new capacitor built with a new patented concept that continues the tradition of Celem to supply high power capacitors at a very small volume and weight. CLF3 provides power of 1500kVAr in volume of 3 liter and weight of 6 Kg, well below equivalent capacitors in the market.

A major reduction in weight and volume is achieved by using Celem unique design of water cooling electrodes. This design prevents the need of immersing the capacitor in oil, and enables mounting in any angle and position for limited space designs. The CLF3 can even be connected directly to the work-coil from any side of the capacitor.

The CLF3 has internally two capacitor elements which can be connected by simple external bridging either in parallel, or in series. Single element can also be connected. This unique structure provides a flexibility of voltage current and capacitance in a single capacitor unit. Celem call this feature 'smart tapping'. The CLF3 is built with anodized aluminum electrodes. This makes the capacitor very light in weight and reduces the price of the capacitor. Copper electrodes are available as well.

Like all Celem capacitors CLF3 is a shelf item and its standard values are delivered from stock. However, Celem can customize it to special required values. Standard CLF3 comes with up to 240uF, the customized version can reach up to 700uF.





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