

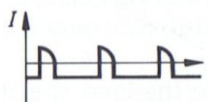
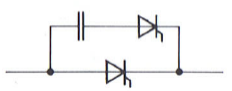


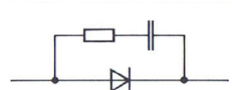


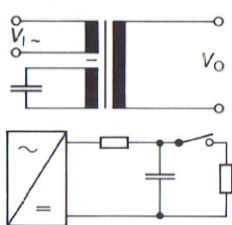
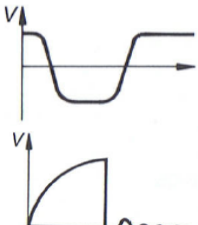
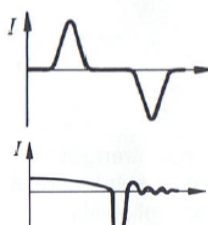


POWER ELECTRONIC CAPACITORS

General description

Main applications for LIFASA power electronic capacitors:

Application	Circuit	Voltage characteristic	Current characteristic	Recommended LIFASA capacitor
Filtering				FIL1 FIL2
Commutation				COM PEC1 PEC2
Damping				DAM1 (GTO) DAM2 (IGBT) DAM3 (IGBT) PEC1 PEC2
General propose				HVDC1 HVDC2

Description of application

1.1. Filtering

Filtering capacitors are specially designed for use on dc supplies and are intended to protect the network from momentary voltage spikes and surges and for filtering out ac ripple.

1.2. Commutation

Commutation capacitors are specially designed for its use in forced commutation converters. Their components ensure thyristor switching off together with other circuit.

1.3. Damping

These low inductance capacitors are ac units to protect semiconductors. They are charged and discharged repetitively by impulsing. Very high peak currents are carried.

1.4. General propose

These capacitors are for use on dc supplies and are used for general purposes, particularly in electronic equipment. They are also suitable for impulse operation.