

UNIPOLAR OR BIPOLAR CHOPPING CONVERTER WITH TWO
MAGNETICALLY COUPLED WINDINGS

ABSTRACT

In order to reduce the cost of a chopping
converter supplying a continuous voltage at the
5 terminals of a load (Z), a circuit with two windings
(L_p , L_s) and a single magnetic core is proposed,
according to the present invention, which enables the
cost and the size of the circuit to be reduced. It is
then necessary to add two diodes (D_3 , D_4) to the
10 circuit, but these elements are inexpensive and of
small size.

FIGURE 3