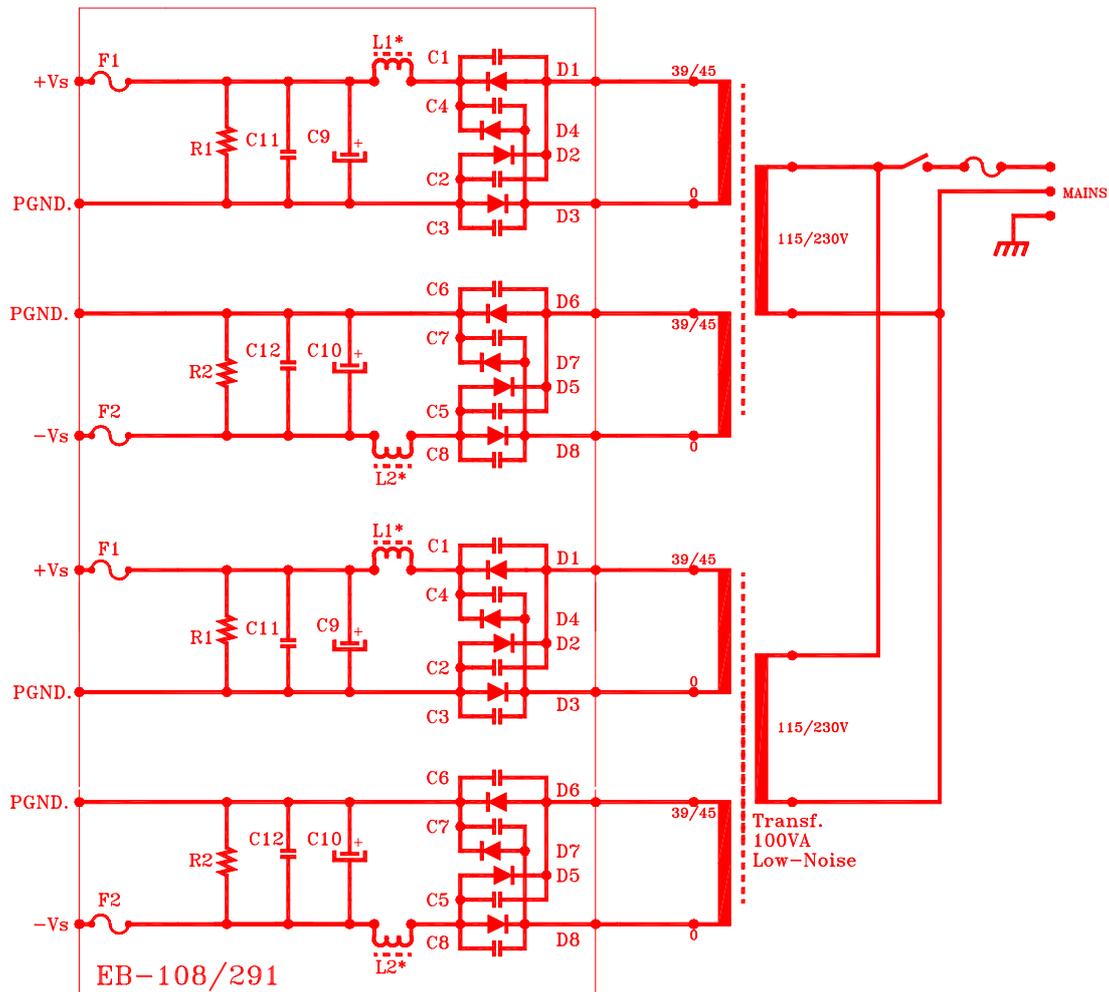


EB-108/291 High Current Choke PS with 4-pole Jensen capacitors.



*L1-L4=1-5H, Opt. LC filter
DC voltage is $\sim 0.9 \times AC$

DUAL HIGH CURRENT POWER SUPPLY WITH 4-POLE CAPACITORS

The EB-108/291 High Current choke-PS with 4-pole Jensen capacitors.

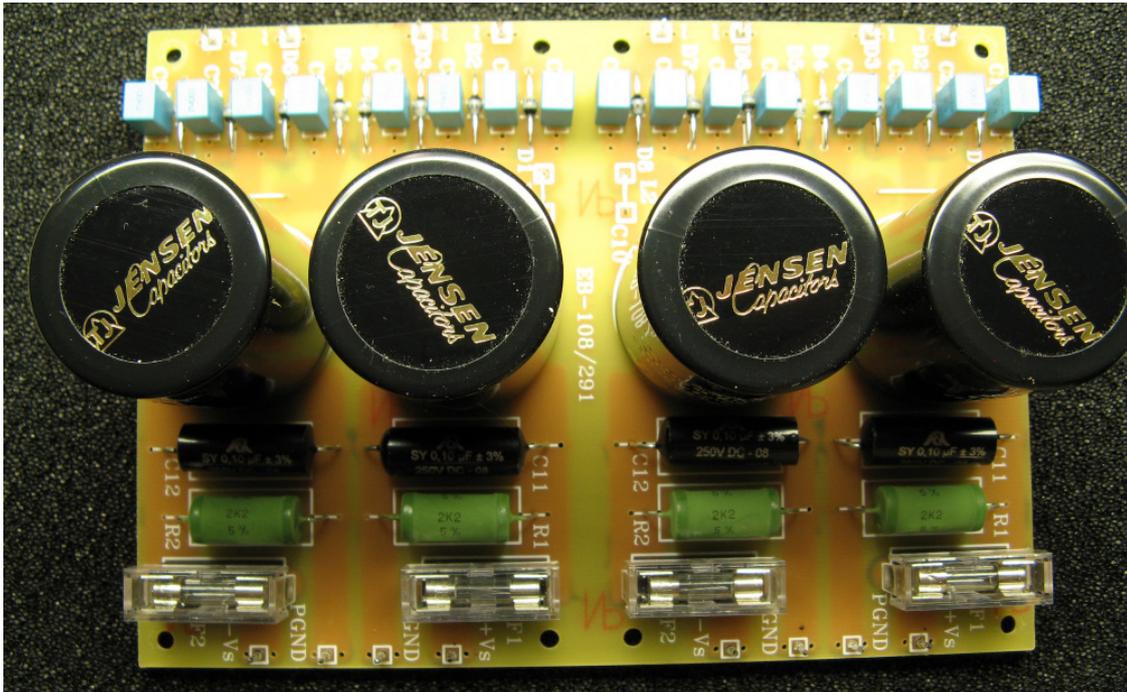
Description.

The EB-108/291 PS consists of two dual power supplies that can be used with or without chokes. The rectifiers are soft/fast recovery diodes, and the capacitors C9/C10 are 4-pole Jensen electrolytic. The PCB material is FR-4 and the size is 120 x 165mm.

If the EB-108/291 is used with chokes, then the initial raw rectified voltage has to be higher than without the chokes, because of the voltage drop across the chokes. The DC output of an L-C PS is $\sim 0.9 \times$ the AC voltage at full load. Example: if a 4H choke with 60 Ohm DC resistance is used for a 320 phono preamp that requires 24V/200mA regulated supply, then the secondary should be 45VAC. Use 150 Ohm/10W resistors across the output terminals to test the 291 with 4H/60 Ohm chokes for 200mA load current. For 100mA load use 39VAC secondary and load the PS with 330 Ohm/7W resistors for testing.

The EB-108/291 is supplied with 10000uF, 63V for choke supplies or 22000uF, 40V Jensen capacitors for no-choke supplies. For no-choke supply use mains transformer with 22V secondary's. 15000uF, 63V caps are also available at extra cost. Please specify your application when ordering the 291.

Note: the DC output of an L-C supply without load is the same as the output of a capacitive supply, i.e. 1.41x AC. Using the above example of a 45V transformer with the choke supply, the no-load voltage can be higher than 63V!! This can be even higher if the mains transformer has 5-10% regulation. Use R1/R2 to reduce the no-load voltage to under 60V.



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