

## EB-117/290 DUAL, WIDE-BAND, LOW-NOISE ALL-FET PS/REGULATOR WITH MAINS TRANSFORMERS.

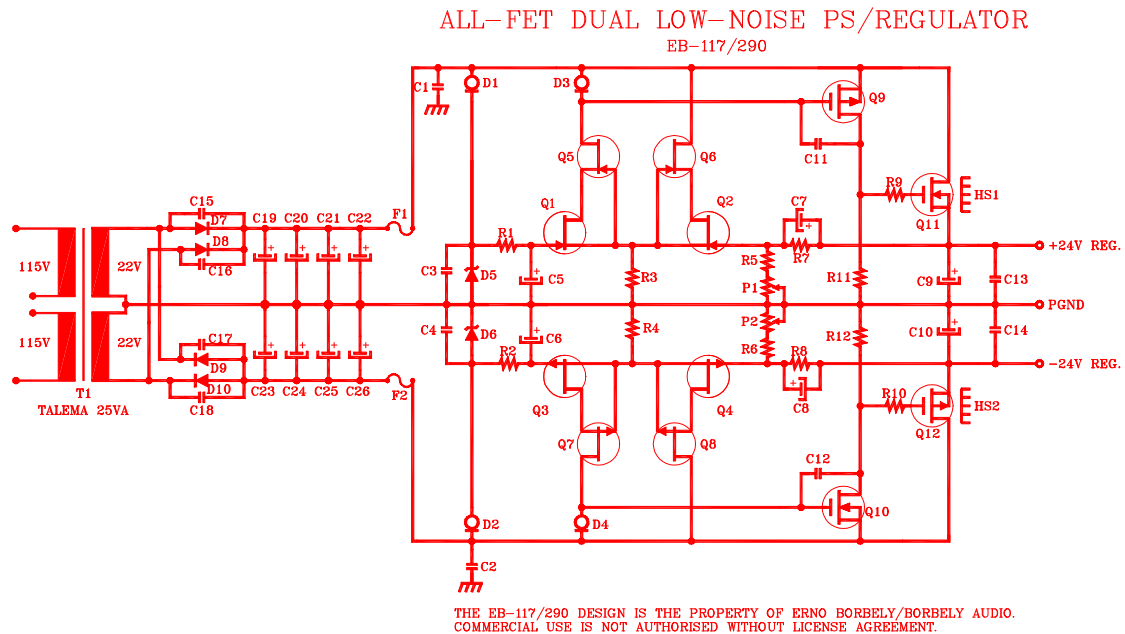


Fig. 1. The EB-117/290 wide-band, low-noise PS/regulator.

### Set-up procedure

The EB-117/290 is a very high quality, wide-band, low noise PS/regulator, including 2x25VA Talema mains transformers on the PCB. The 290 is using fast recovery diodes in the power supply and only FETs (JFETs and MOSFETs) in the regulators. It delivers 2x +/-24V regulated voltage at 200mA with the Talema transformers delivered. Other voltages are available on request.

The set-up procedure consists of adjusting the output voltage to the desired value. For +/-24V connect 2x220 Ohm/5W resistors to the outputs. Connect a DVM across one of the resistors. Adjust the output voltage to the desired value with trim pots P1/P2. If you have an oscilloscope and/or an audio  $\mu$ V meter, connect them across the load resistors and check the residual hum/noise. The scope should not show any ripple and the  $\mu$ V meter should show less than 5 $\mu$ V of noise over the audio bandwidth.

**NOTE: The kit is delivered with C19-C26=35V caps for +/-24V regulated voltage. For higher output voltage 50V caps are recommended!**

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