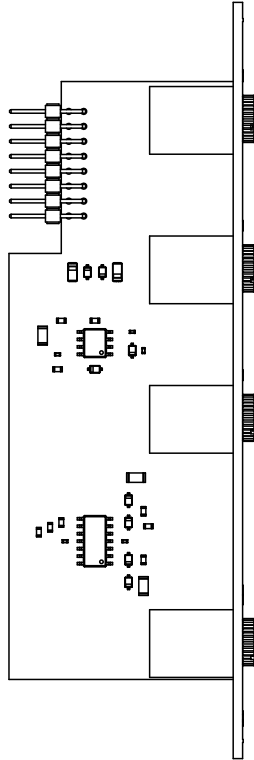
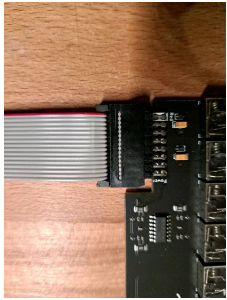
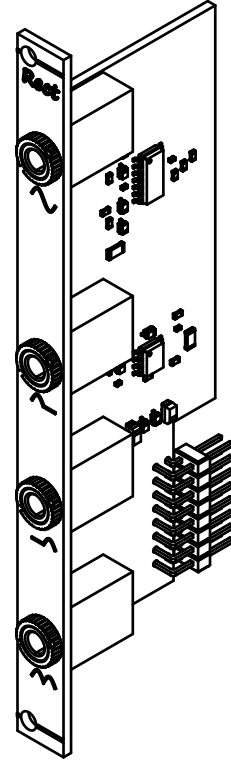




CATs EuroSynth

Dr. Michael Zülch
cats.synth@gmx.de

Precision Rectifier



When installing or removing a module from your case always turn off the power to the case and disconnect the power cable. Failure to do so may result in serious injury or equipment damage.

Ensure the 10-pin connector on the power cable is connected correctly to the module before proceeding. The red stripe on the cable must line up with the -12V pins on the module's power connector. The pins are indicated with the label -12V, a white stripe next to the connector, the words "red", or some combination of those indicators.

Installation

Width	2 HP
Maximum Depth	39mm w/o Connector
Current Draw	+12V: 15mA -12V: 15mA

Technical Specifications

This is a combined halfwave and fullwave precision rectifier. It can be used as an AC to DC converter, a distortion, a complex waveform generator, a frequency doubler, a clock doubler or even as part of an envelope follower. Any bipolar signal provided at the input will be available on the three outputs in different form.

Output 1 will provide the signals positive values as they are and cut negative values to 0V. **Output 2** will do the same but with an inverted signal, so originally positive values will be cut to 0V and negative values will be made positive. **Output 3** provides a fully rectified version of the input. Positive inputs will be sent as it is, negative portions of the signal will be made positive and also sent to the output.

